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Special Report: Giant Screen and IMAX Theaters in 2013

As of Jan. 1, 2014, there were 942 giant-screen and IMAX theaters in the world, up from a total of 820 a year earlier. Of the 122 new theaters, all were equipped by **Imax Corporation**, and all but two were installed in multiplex cinemas. At least 48 of the multiplex screens are in located China, which has become Imax's second-largest market, after the U.S.

After dropping slightly in 2012, the count of true giant screens actually increased slightly last year, helped by the opening of several large IMAX multiplex screens. A total of four theaters closed permanently and 12 theaters converted from film to digital: four from IMAX 15/70 to IMAX digital, four from IMAX film to non-IMAX digital, two from 10/70 film to digital, one from non-IMAX 15/70 to non-IMAX digital, and one from non-IMAX digital to IMAX digital. (*See also the IMAX Scorecard on page 9.*)

In last year's special report on GS theaters, we noted the resurrection of some 33 previously retired IMAX film projectors in 2012 for **Christopher Nolan**'s ***The Dark Knight Rises***, creating an unexpected jump in the number of 15/70 theaters. There were no further 15/70 reinstallations last year, but rather the converse: 14 theaters added IMAX digital to their IMAX film booths, including nearly all of the remaining 15/70-only multiplex theaters. Most of these have screens that were considered too large to be adequately covered by the first-gen IMAX system, and in most the digital images reportedly do not fill the entire width of the screen.

Thus, many of the world's largest screens, including IMAX theaters in Sydney and Melbourne in Australia, New York and San Francisco in the U.S., and Toronto and Quebec in Canada, now have the "interim solution" in anticipation of Imax's laser-powered second-gen system, due in 2015 or later (*see item on Imax Corp. results in The Biz, page 4*). This is a response to the falling number of titles for which studios are making 15/70 prints — only ten out of 25 domestic releases in 2013 — and the declining number of prints struck for each title when they do.

True giant screens

Of course, most multiplex IMAX theaters, particularly retrofitted ones, do not have true giant screens, which the **Giant Screen Cinema Association** defines as flat screens wider than 70 feet (21.3 meters) and domes with diameters greater than 60 feet (18.3 meters). The number of screens known to meet those standards is now 284, up from 278 a year ago, and higher than 2012's total of 282. New giant-screen IMAX theaters in multiplexes include the recent high-profile installations at the **TCL Chinese IMAX Theatre** in Hollywood, CA (94 feet/28.7 meters wide), and the **Empire Leicester Square IMAX** in London (80 feet/24.4 meters wide). All told, at least 85 multiplex IMAX screens meet the GSCA spec.

Unfortunately, the actual total of true giant screens remains speculative, because Imax no longer reports the screen dimensions of its theaters, as it routinely did before introducing its digital projection system in 2008. (*See "What We Count" on page 11.*)

However, for the purposes of many readers of *LF Examiner*, the number of true giant screens in multiplexes is largely irrelevant, since the vast majority of multiplex IMAXes show only repurposed Hollywood features, and rarely if ever book films produced specifically for GS theaters. The more important figure is the number of giant screens in institutional, commercial standalone, and theme park theaters that are the primary market for GS producers and distributors.

There are 199 giant screens in those segments, compared to 200 a year ago. Combined with 58 non-multiplex theaters that don't meet the GSCA spec, the total market for original GS films stands at 257, not counting a handful of multiplex theaters in small and medium-sized chains that occasionally book non-DMR films.

Openings and closings

In 2013, 121 IMAX digital theaters opened in multiplexes, and two opened in museums: the **Kunshan Culture and Art Centre** in Kunshan, China, and the **Na-**

*(see **THEATERS** on page 6)*

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Premiering This Month

Galapagos 3D
RoboCop

See page 11.

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The Outsiders

Thoughts on Reviving the Giant Screen Industry

by Mark B. Peterson

The years since my departure from giant-screen cinema have afforded the opportunity to reflect on experiences and circumstances of the industry long since forgotten by most. When I established the IMAX theater at the Denver Museum of Natural History (now the **Denver Museum of Nature and Science**), it was typical for crowds awaiting entrance to the theater to stretch for a hundred yards or more. As late as 1996, annual attendance soared to nearly one million with the screening of **MacGillivray Freeman Films'** ***Everest***.

In the 1980s, people would stand awaiting the opening of gates to parks or attractions with IMAX theaters and would then enter screaming at a dead run to catch the first of each day's showings.

And who can forget memorable films, such as the one whose beginning featured a daylight shot of an icebreaker's bow, thundering across a seascape full of ice: "It is summer. It is midnight. We are headed south." ***Antarctica*** was **John Weiley**'s masterpiece, and it still reverberates in my mind, accompanied by ***The Dream is Alive***, ***Chronos***, ***Ring of Fire*** and several others. What magical times.

Mark B. Peterson

I seldom go to movies now, even, IMAX movies. The term "movie" is a contraction of "motion pictures," and "giant-screen" features are now a contraction of the majesty that once was.

Another recollection I have to share is from around 1979, and its pertinence to the current situation looms — a matter upon which I shall shortly opine. I was searching for the best film and projector system to install in the Museum's depression-era Phipps Auditorium. One such opportunity led me to a nondescript building in southern California, its bland expanse interrupted only by the large letters, EEG. They stood for **Entertainment Effects Group**, **Douglas Trumbull**'s company. I consider Doug to be the most gifted and creative individual of that group of soon-to-be-famous filmmakers who entered the industry in the 1960s.

Doug had just completed VFX work on *Blade Runner* and directing *Brainstorm*, a film that was to have been exhibited in theaters equipped with 60 fps projectors — a system called Showscan. I was there to visit Doug and see his demonstration film, entitled ***Night of Dreams***. Upon entering I was graciously greeted by **Gerald Nash** (since passed) and **Cindy Aylward**. Doug showed me a few pieces of magic from *Blade Runner*, and eventually I was seated in their screening theater.

As I awaited the performance's beginning, I became aware of something very odd: noises were coming from behind the screen, and I noticed that someone was pushing on the screen from behind with a broom handle, distorting it by at least six inches. The voice behind the screen called out, "Is anyone out there? What's going on?" I don't really remember what happened next, but I believe someone on the theater's staff got hold of this custodian and ushered him off set. Then the lights dimmed, and the show began. I thought it strange that the demo for me had begun in such untoward fashion.

Nevertheless, the film had an enormous impact on me. And imagine my surprise when I learned that the janitor sequence had actually been part of the film. Doug had discovered that a magical effect was achieved as frame rate was increased from the conventional 24 frames per second to something like 40 and above. Images took on astonishing clarity and definition, as the brain was no longer subliminally aware that it was seeing a series of still images that it had to assemble into ersatz movement. Doug had experimented with frame rates exceeding 100 fps, but a point of diminishing returns was achieved at a much lower rate. He decided to use 60 to match the television field rate, allowing for easy conversion from theatrical to TV formats.

A major sticking point for Showscan back in the

*(see **PETERSON** on page 16)*

GSCA Film Expo Preview

About 200 people are expected to attend the **Giant Screen Cinema Association**'s Film Expo in Austin, TX, March 23–25. The meeting will feature screenings of 12 new films in 15/70 and digital, sessions for films in production and development, committee meetings, and a technical session.

The meeting will be hosted by the **Bob Bullock Texas State History Museum**, which features a 390-seat IMAX GT theater. For digital presentations on the theater's 62x82-foot (19x25-meter) screen, a system with dual 4K **Christie** projectors and **RealD** XLGS 3D will be provided by **Electrosonic Systems, Inc**.

The call for new films resulted in an unexpected glut of submissions, and as a result, five films submitted as New Films will not be screened in their entirety. Two are being presented in the Films in Production session: ***Electropolis*** and ***Space: Unraveling the Cosmos***. The remaining three — ***Antarctica on the Edge***, ***Great White Shark*** (digital 20-minute version), and ***Watermelon Magic*** — will not be screened.

Eighteen titles will be presented in the Films in Production session, and another 16 will appear in Projects in Development.

The technical session will include a screening of high-frame-rate content, "with examples that particularly emphasize the opportunities that this technology brings to the giant screen." It will also focus on alternative content that is available to GS operators.

The conference hotel is the Sheraton Austin Hotel at the Capitol. For more information and to register, visit giantscreencinema.com.

The next issue of *LF Examiner* will feature our exclusive full coverage of the Film Expo.

The Bob Bullock Texas State History Museum in Austin.

GSCA Film Expo Schedule

Sunday, March 23: Pre-Expo Day

8:00 am - 9:00 pm	Rehearsals	Theater
12:00 pm - 9:00 pm	Registration	Sheraton: Lobby
5:00 pm - 6:00 pm	Distributor's Interest Group Meeting*	Sheraton: Creekside
5:00 pm - 7:00 pm	Alternate Content SIG*	Sheraton: Capitol BC
7:00 pm - 9:00 pm	Board Meeting	Sheraton: Capitol View Terrace South

Monday, March 24: Film Expo Day 1

7:00 am	Breakfast on your own	
7:30 am	Buses depart for theater	
7:30 am - 7:00 pm	Registration	Theater
8:00 am - 9:00 am	**Film 1: *Galapagos 3D*(15/70)**	Theater
9:00 am - 9:50 am	**Film 2: *Journey to the South Pacific* (15/70)**	Theater
10:15 am - 11:15 am	**Film 3: *Island of Lemurs: Madagascar* (15/70)**	Theater
11:15 am - 12:15 pm	**Film 4: *D-Day: Normandy 1944* (15/70)**	Theater
12:15 pm - 1:45 pm	3D Film Interest Group*	Museum
12:15 pm - 1:45 pm	Giant Dome Interest Group*	Museum
12:15 pm - 1:45 pm	Lunch on your own	
1:45 pm - 4:00 pm	Films in Production Session	Theater
4:00 pm - 4:30 pm	Projects in Development Session	Theater
4:30 pm - 5:30 pm	**Film 5: *Pandas: The Journey Home* (15/70)**	Theater
5:30 pm - 6:30 pm	**Film 6: *Mysteries of the Unseen World* (15/70)**	Theater
6:30 pm - 7:30 pm	**Film 7: *Hidden Universe* (15/70)**	Theater
7:30 pm - 8:30 pm	**Film 8: *Great Apes 3D* (digital)**	Theater
8:30 pm	Buses depart for hotel	
8:30 pm	Dinner on your own	

Tuesday, March 25: Film Expo Day 2

7:30 am - 1:30 pm	Registration	Sheraton: Outside Capitol E
7:30 am - 9:30 am	Continental Breakfast	Sheraton: Foyer
8:00 am - 10:00 am	Committee Meetings**	Sheraton:
	Conference	Tannehill
	Lifelong Learning	Bickler
10:00 am - 12:00 pm	Committee Meetings**	Sheraton:
	Marketing & Member Services	Tannehill
	Technical	Bickler
	Professional Development	Barton
12:00 pm - 1:30 pm	Members' Meeting and Lunch	Sheraton: Capitol E-H
1:30 pm - 7:00 pm	Registration	Theater
1:45 pm	Buses depart for theater	
2:15 pm - 3:45 pm	Technical Session	Theater
3:45 pm - 4:45 pm	**Film 9: *Wonders of the Arctic* (15/70)**	Theater
4:45 pm - 5:45 pm	**Film 10: *Jerusalem* (15/70)**	Theater
5:45 pm - 6:45 pm	**Film 11: *Deepsea Challenge* (digital)**	Theater
6:45 pm - 7:45 pm	**Film 12: *We the People* (digital)**	Theater
8:00 pm - 10:00 pm	Board Meeting	Sheraton: Capitol View Terrace South
8:00 pm	Buses depart for hotel	
	Dinner on your own	
12:00 am	24-hour rule ends	

This schedule is subject to change.

* Special interest groups are privately held meetings run and managed by GSCA members and are by invitation only. However, they are not official GSCA groups.

** GSCA welcomes and encourages participation on committees. All GSCA members are welcome to attend committee meetings.

Christie to demo 6P laser system

Exclusive to *LF Examiner*.

Christie Digital Systems will demonstrate a projection system using six primary color laser modules at **CinemaCon** in March and the **National Association of Broadcasters** conference in April. The lasers generate two slightly different pairs of the red, green, and blue primary colors, and viewers wear **Dolby 3D** glasses that match those colors precisely, each eye passing one set and blocking the other. This process is much more light efficient than conventional xenon-lamped projectors, because it eliminates the need for a filter on the projector.

Christie says its laser systems will generate up to 72,000 lumens per projector with "wider color gamut, higher contrast, and dramatically reduced maintenance requirements," compared to xenon systems, which generally top out at 35,000–40,000 lumens.

The 6P systems are expected to be in mass production in early 2015.

Imax 2013 Q4 and FY results

On Feb. 20, **Imax Corporation** posted its financial results for the fourth quarter and the fiscal year ending Dec. 31, 2013. For Q4, the company reported a profit of $27.8 million ($0.40 per diluted share) on revenues of $105.1 million, compared to a profit of $12.9 million ($0.19 per diluted share) on revenues of $77.4 million in the same quarter of 2012. For the year, Imax earned a profit of $44.1 million ($0.64 per diluted share) on revenues of $287.9 million, compared to 2012's profit of $41.3 million ($0.61 per share) on revenues of $282.8 million.

In Q4 of 2013, the company signed deals for 116 new theaters and three upgrades of film systems to digital, compared to 28 new systems and ten upgrades in the same period of 2012. For the full year, there were 246 new signings and 31 upgrades, compared to 121 and 21 in all of 2012. The current backlog stands at a record high of 407, including 23 upgrades.

Imax installed 54 new systems and upgraded four in the last quarter of 2013, compared to 43 new and 3 upgrades in the 2012 Q4. For the full year it installed 112 new theaters and 21 upgrades in 2013, compared to 107 and 18 in 2012.

In a conference call with analysts, CEO **Richard Gelfond** said in response to a question about the next-generation laser-powered projection system that "these are really alpha units, the first ones which we are putting in, but I would *hope*, and I'm underlining that word — it's not a prediction — that somewhere around ten would go in next year in 2015, and in 2016 we would really ramp up more." This suggests a further delay from previous expectations that some systems would be installed in late 2014 with a wider roll out in 2015.

Imax released a total of 38 DMR films worldwide in 2013, 15 of which were shown only in limited international markets. Fourteen titles have been announced for 2014 to date, and Gelfond and Imax Film president **Greg Foster** said they expect a similar count for this year. Gelfond said that 2015 will include the next ***Star Wars*** film, ***Avengers 2***, ***Jurassic World***, and the next ***James Bond*** episode, with ***Batman Vs. Superman*** and ***Avatar 2*** lined up in 2016.

Gelfond announced in the conference call that the lease on Imax's offices in Santa Monica, CA, expires early next year and that the company has decided to build a new facility in the Los Angeles area starting this year, to be completed in 2015. He added, "Renewing our lease in the existing facility was not a viable option, as our space needs have changed with the evolving business, and the new [Expo] line [of the Los Angeles metro system] is being built within a few feet of the existing office, which we believe will interfere with our post production work."

Imax's troubles in China

Imax Corporation's growth in China is being complicated by competition in both giant-screen exhibition and 3D conversion from individuals and companies that Imax claims have stolen its technologies. Among these is the state-owned **China Film Group**, which released a 3D version of **Sony Pictures'** ***Robocop*** exclusively in Chinese theaters in late February, two weeks after the 2D IMAX version opened.

Imax alleges that the 3D conversion of *Robocop* was produced using trade secrets stolen by a former employee, **Gary Tsui** (*see LF Examiner, Summer 2013*). In several lawsuits, Imax claims that Tsui and **GDC Technology** also stole technology that allows images from two digital projectors to be "superimposed to a sub-pixel resolution," a key element of the IMAX digital projection system. Imax says this system is being used in about 50 **China Film Giant Screen** theaters operated by China Film Group, which are showing the 3D version of *Robocop* and competing with the 150 IMAX theaters in China. *The New York Times* characterizes China Film Group as "gatekeeper of China's film imports" and "the arbiter of success and failure in a fast-growing film market that is now No. 2 in the world behind the United States, with about $3.6 billion in annual ticket sales."

The *Times* reports that "Imax has been quietly trying to settle [the] bitter dispute with Chinese officials," citing "people who were briefed on the matter." It went on to say that "the planned Chinese *Robocop* release threatens to upset a private agreement the two sides have been working toward," and that such a settlement "might involve an agreement not to sell the Chinese giant-screen systems in the United States."

Imax plans to continue its expansion into China with theaters in "fourth and fifth tier cities," according to Asia Pacific managing director **Don Savant**, as quoted in *The Hollywood Reporter*. China is now second only to the U.S. in the number of IMAX theaters, with 161, compared to 378 in the U.S. and 42 in Canada.

Casey to shoot *Extreme Weather*

National Geographic Cinema Ventures

has announced that production will start this spring on ***Extreme Weather 3D***, to be directed by **Sean Casey**. According to a release, the film, expected in late 2015 or early 2016, "will take audiences inside hurricanes, tornadoes, drought, floods, and more wild weather scenarios. Viewers will ride alongside Sean in one of his famed tornado intercept vehicles as he travels on a groundbreaking mission to record the first vertical scans of a tornado."

Casey directed 2011's ***Tornado Alley***, which was distributed by ***Giant Screen Films***, and has appeared in four seasons of the Discovery Channel series, *Storm Chasers*.

Mystery of the Maya re-released

The 1995 GS film ***Mystery of the Maya***, produced by the **National Film Board of Canada**, has been slightly updated and re-released in coordination with *Maya: Hidden Worlds Revealed*, an exhibit of Mayan artifacts created and distributed by the **Science Museum of Minnesota**. The exhibit and film ran together in St. Paul from June 2013 to January.

Daniel White, president of **Big Films, Inc.**, distributor of the 38-minute film, tells *LF Examiner* that "When the film was [originally] released it featured a Spanish-speaking anthropologist as the star and narrator. She spoke Spanish throughout the film, but over top her voice the director **[Barrie Howells]** recorded a very Canadian English voiceover. We recorded a beautiful Spanish-accented English voice. It sounds much more authentic and true to the film's content."

White adds that *Mystery of the Maya*'s performance in six months in St. Paul "dwarfs anything the film has done in its history," and that it will run with the exhibition when it travels to Boston's **Museum of Science** in October.

For more information on the exhibit, visit smm.org; for more on the film, see bigfilms.ca.

Beck leaves Laser Light Engines

Bill Beck, co-founder of **Laser Light Engines**, left the company in late December to restart **BTM Consulting**, which is "focused at the intersection of specialty fiber optics, high-power lasers and optical sensors." He is based in Hudson, NY.

Bill Beck

In 2004, Beck was founding CEO of Laser Light Engines, a key player in the push to develop laser-illuminated digital projectors. After recruiting **Doug Darrow** from **Texas Instruments** to run LLE in 2010, Beck served as its executive vice president until his departure. In 2013, he was elected chairman of the **Laser Illuminated Projection Association**, a trade association he also helped found.

Beck holds an M.B.A. from the Lally School of Management and Technology at Rensselaer Polytechnic Institute in New York and an A.B. from Dartmouth College in geography and economics. He can be reached at billbeck59a2@mac.com.

Jaspering to leave Exploreum

Gretchen Jaspering, who has served as CEO of the **Gulf Coast Exploreum Science Center** in Mobile, AL, since 2011, will leave that position in May to return to St. Louis, MO, so she can better care for her 25-year-old son, Kit, who has Lyme Disease. In an e-mail to friends and colleagues, she said, "This was a very difficult decision to make as I have come to think of the Exploreum, its staff, and many board members as my 'Southern Family.' We've all worked terribly hard these past two and one half years to reinvent the science center as a place that the region's citizens can visit over and over again learning something new each time."

Gretchen Jaspering

Jaspering tells *LFX* that "the disease effects [Kit's] eyesight, which makes it hard (but not impossible) to make a living as an artist, and he cannot drive. It took seven months to get a diagnosis, he has gone twice through the CDC protocol for the treatment of Lyme Disease, and is no better."

Before joining Exploreum, Jaspering was president of the **Giant Screen Cinema Association** from 2005 to 2010, and before that was vice president for sales and marketing at the **St. Louis Science Center**. She holds a Bachelor of Arts in English Literature from the University of Missouri, St. Louis.

Kois is head of Milwaukee Museum

Wisconsin's **Milwaukee Public Museum** has named **Dennis Kois** as its president, effective May 1. Kois replaces **Jay Williams**, who will become chairman of the museum's board of directors.

Dennis Kois

Kois comes to Milwaukee from the deCordova Sculpture Park and Museum in Boston, where he has been executive director since 2008. Before that he served as executive director of the Grace Museum in Abilene, TX, and chief designer at the **Smithsonian**'s Freer Gallery of Art and Arthur M. Sackler Gallery in Washington, DC.

A Wisconsin native, Kois holds an M.A. in museum studies from the New York University, and a B.A. in museum design from the University of Wisconsin, Milwaukee.

*(from **THEATERS** on page 1)*

tional Museum of Marine Science and Technology in Keelung, Taiwan. These are the only new institutional theaters to open last year, but we have no information on size of their screens.

Four theaters closed permanently last year, all IMAX, one in each of the four operator categories. Germany's **CinemaxX Bremen** closed after two years of reportedly underperforming, although the multiplex's owners promised to open another IMAX theater in a different location. The IMAX theater in **Mubarak Educational City** in Cairo, Egypt, closed after nearly eight years of operations, for reasons that we were unable to discover, but that may be related to the political turmoil the country has experienced since 2011. The **IMAX Theatre Winnipeg**, a standalone screen in Manitoba, Canada, closed in March after years of financial losses in a declining shopping center. And the 31-year-old IMAX theater at **Valleyfair Family Amusement Park** in Shakopee, MN, closed in September, as we reported in December (*see Shorts, December 2013*).

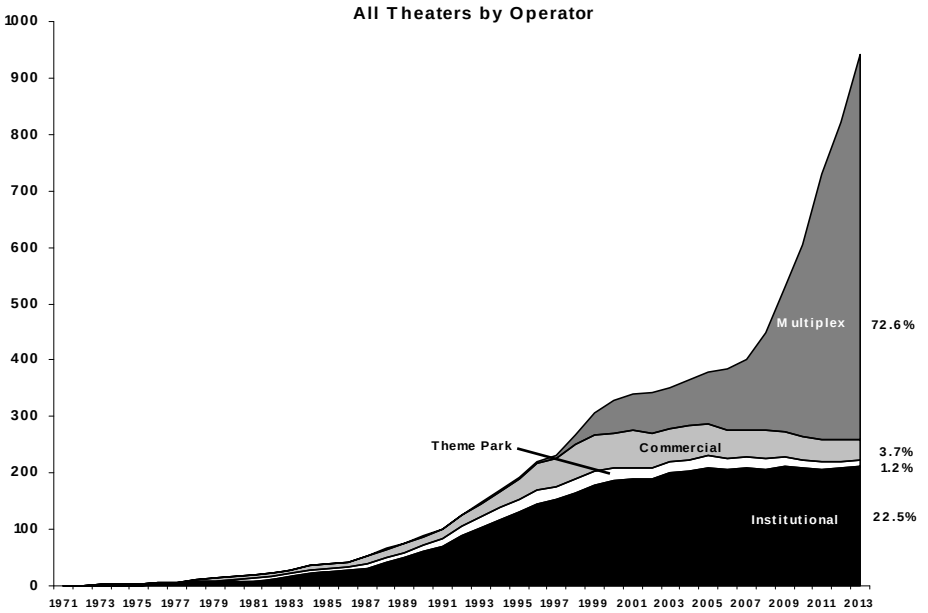
In addition to the 14 multiplex screens, mentioned above, that added IMAX digital to their IMAX film systems, 12 theaters converted from film to digital projection. Four theaters (in four countries) switched from IMAX film to IMAX digital:

IMAX Theatre Showcase at Center Norte, Buenos Aires, Argentina
Telus World of Science Edmonton, Canada
Glasgow Science Centre, UK
Tropicana Casino And Resort, Atlantic City, NJ

Another four — all but one in the U.S. — dropped IMAX film for non-IMAX digital:

Cinema Malecon, Guayaquil, Ecuador
U.S. Air Force Museum, Dayton, OH
Oregon Museum of Science and Industry, Portland
Polynesian Cultural Center, Laie, HI

Two **GOTO** 10/70 Astrovision theaters in Taichung, Taiwan, and Tatbayashi, Japan, switched to digital fulldome projection. **Kansas City Union Station**, in Missouri, switched from a **Cinema Development Company** 15/70 projector to **Barco** 4K 3D, and Germany's **CineStar Berlin**, which had begun life as an IMAX film theater in 2000, then switched to non-IMAX 4K in 2011 (*see The Biz, Summer 2011*), switched to IMAX digital over the summer.



All Theaters				
Operator	**Opened**	**Closed**	**Net**	**Total**
Commercial		1	-1	**35**
Multiplex	121	1	120	**684**
Theme Park		1	-1	**11**
Institutional	2	1	1	**212**
Total	**123**	**4**	**119**	**942**

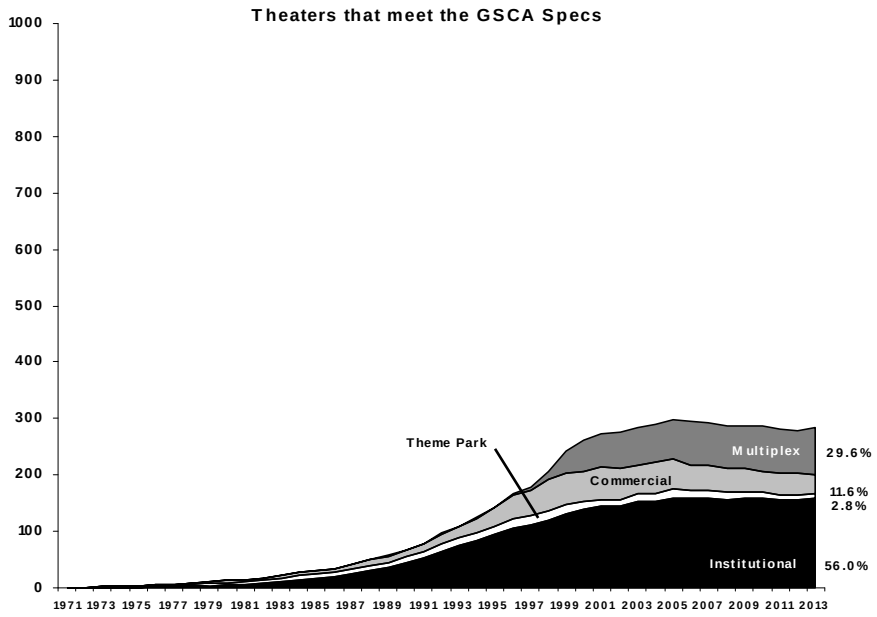
Format	**Opened**	**Closed**	**Net**	**Total**
15/70 (only)		3	-3	**135**
15/70 + IMAX digital	14		14	**48**
15/70 + non-IMAX digital				**5**
10/70				**10**
8/70				**31**
8/70 + digital				**3**
IMAX digital	129	1	128	**653**
Non-IMAX digital	5		5	**57**
Total	**148**	**4**	**144**	**942**

Non-IMAX film theaters

The number of 8/70 and non-IMAX 15/70 theaters has not changed appreciably since this time last year: none officially closed last year, and we currently list 39 theaters capable of showing those two formats. However, in a few cases we were unable to confirm that the film system is still in place, and in a few others the projectors are rarely, if ever, used. So the number of active 8/70 and non-IMAX 15/70 theaters is probably less than 30. (Note that we continue to count a theater as long as the projection system is still in place and operational, even if it hasn't been used recently.)

Several theaters continue to run 8/70 on a regular basis, including a handful of destination theaters: the **National Geographic Theater, Hearst Castle** in San Simeon, CA, and the **Niagara Falls Adventure Theater** near Buffalo, NY, are both operated by **Destination Cinema, Inc.**, and both run daily shows of films made specifically for their location. Similarly, the theater at **Vulcania** in Auvergne, France, has not yet found a compelling reason to switch from film. But these theaters have the rare luxury of not depending on repeat visits from a local audience.

Between ten and 20 theaters are actively running 8/70 shows, and several of them are planning on switching to digital soon. Those that aren't generally would like to,



but simply can't afford it at present.

The Strasenburgh Planetarium in New York's **Rochester Museum and Science Center** mixes 8/70 films with planetarium shows that use its Zeiss VI electromechanical planetarium projector augmented by three 1K video projectors, controlled by a Dataton Watchout system, that fill nearly 180 degrees horizontally at the front of the dome. Planetarium director **Steve Fentress** tells *LFX* that "Brightness, saturation, contrast, and resolution are spectacular. Net box office per-performance and per-viewer are favorable for these shows, too. Even after we convert to fulldome, which we expect in the next few years, we'll keep this system for high-resolution material."

The **National Planetarium** in Kuala Lumpur, Malaysia, hasn't yet removed its 8/70 projector, but will do so soon. According to **Hamka Mohamad**, the 200-seat planetarium installed a **Sky-Skan** Digital Sky 2 fulldome system in 2009, and stopped showing 8/70 films in 2011. He enumerates the advantages digital has over film in a planetarium: "Few space shows for 8/70 nowadays. Film can scratch easily compared to digital format. Easier to load a show in digital format compared to film. Film required more space compared to digital format. Digital system is becoming more advanced and most probably film formats will be obsolete."

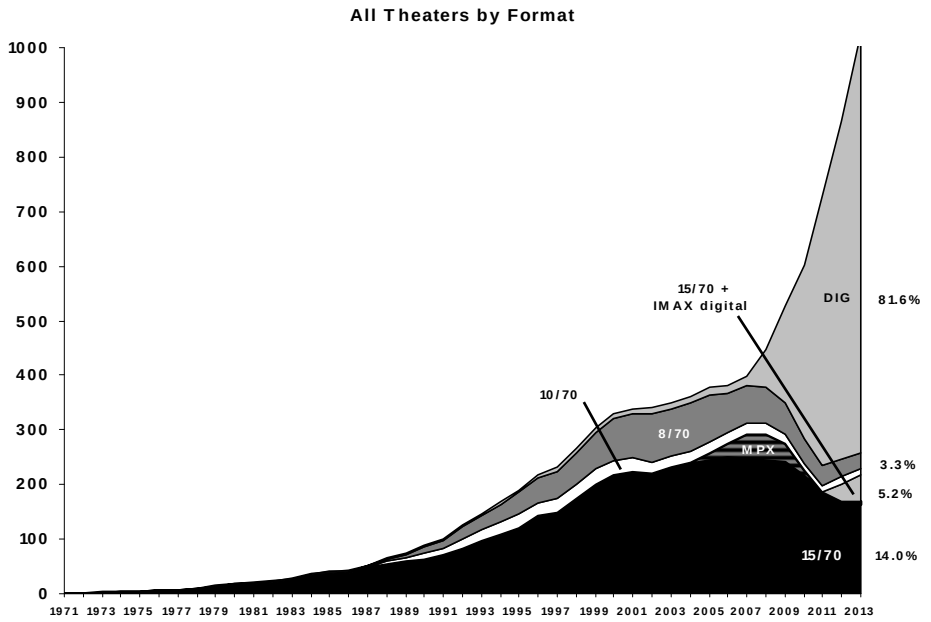
Sometimes the conversion process takes a while. As we reported last year, the Super Screen Theater at the **Tietomaa Science Center** in Oulu, Finland, removed its 24-year-old Iwerks 8/70 system in 2012, and has only run planetarium shows on its **Uniview** fulldome system for the past year. Liaison coordinator **Sampo Puoskari** says that "we are going to get a 4K 3D projection system, and if everything goes well we will have it installed in May [or] June at the latest."

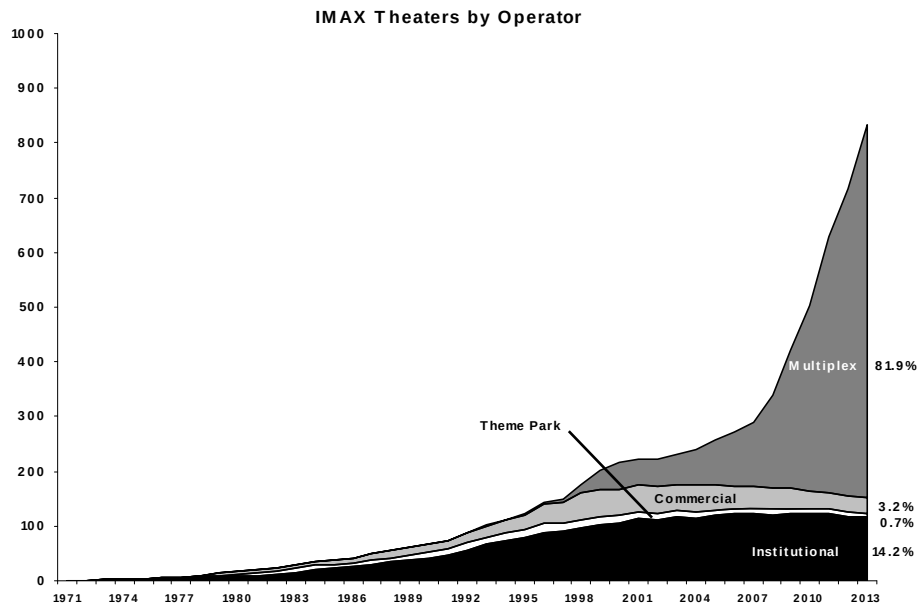
The **Chabot Space and Science Center** in Oakland, CA, is a rare facility with two dome theaters: its 240-seat **Ask Jeeves Planetarium** has a regular program of eight fulldome shows and three laser shows, but the 60-foot (18.3-meter) **Tien MegaDome**, which has a 14-year-old **MEGAsystems** 8/70 projector, is currently used only for school shows. The center's **Autumn King** tells *LFX*, "While 8/70 projection offers a number of advantages over digital projection, it seems obvious in 2014 that it has also largely gone the way of the dinosaur. We've not made the jump to digital yet, as we're presently re-evaluating our need for a second theater [since we] also operate a 70-foot fulldome theater. [But] if we were to continue theater operations going forward in what was our 8/70 theater, digital cinema projection would be a clear winner for us."

Last year we reported that in July 2012, the **Tom Ridge Environmental Center** in Erie, PA, had installed a 2K digital projector in its 175-seat **Big Green Screen** theater. This year, marketing and sales coordinator **Emily McCullor** tells us that they stopped running 8/70 film shows in February 2013, although the eight-year-old **Kinoton** projector will remain in place for the foreseeable future.

As stated above, two 10/70 theaters originally installed by **Goto Optical Manufacturing** were converted to fulldome digi-

*(see **THEATERS** on page 8)*





*(from **THEATERS** on page 7)*

tal last year. This leaves ten 10/70 systems operating in dome theaters in Bangladesh, China, Egypt, India, and Japan. We have been told that most will be converted to digital in the near future.

Eight 15/70 projectors manufactured by **Cinema Development Company** are still in place, most of which were installed by **Iwerks Entertainment** between 1993 and 2005, although two of them are, or seem to be, inactive. The remaining six however, are still running 15/70 shows.

2D vs. 3D, dome vs. flat

All of the theaters that opened in 2013 were 3D and had flat screens. As we said last year, in the digital era, the incremental cost of 3D is so small that it is unlikely that any future flat-screen theaters will not have 3D capability.

In 2013 the number of 3D-capable theaters grew from 664 to 790, 84% of the total, while the 2D count fell from 157 to 152. Among the 284 theaters that meet the GSCA spec, 167, or 59%, are 3D. Of the 258 non-multiplex theaters in our list, 106 are 3D capable, 41%. (The figure is lower because it includes dome theaters, almost all of which are 2D.)

There are 115 dome GS theaters, down one from last year's report. No new domes opened in 2013, and three converted from film to digital. Although in 2012 two dome theaters switched from film to a single-projector digital solution provided by **E&E Theater Services**, no similar installations occurred in 2013.

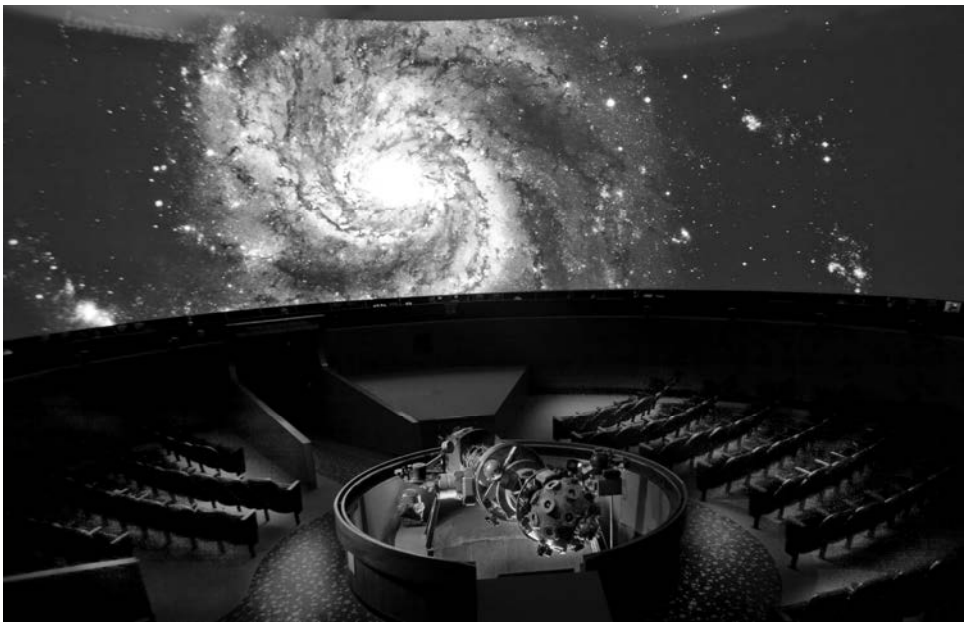
Imax Corporation has said that its next-gen system for domes, which, like the flat-screen system, will feature two 4K projectors, will be available about a year after the flat-screen version, i.e., no sooner than 2016.

Imax's scorecard

Excluding multiplexes, some 55 true GS film theaters have added or converted to fulldome or DCI-compliant or IMAX digital projection to date.

As shown in the box below, Imax has successfully switched 20 flat-screen, non-multiplex IMAX theaters to digital, and signed at least four more that will get the next-gen system. However, 20 former IMAX theaters have switched to non-IMAX digital, or, as in the case of three domes and two flat-screen, have added non-IMAX digital and kept the 15/70 projector, while dropping the IMAX brand. (Some early theaters were offered the option of buying their IMAX projectors outright, rather than leasing them. This allows them to continue using the machine without licensing the IMAX name.) And 15 more non-IMAX film theaters with true giant screens — six flat and nine dome — have opted for a non-IMAX digital system.

Imax is working to keep its institutional clients from jumping to a non-IMAX solution with the promise of its laser-powered, next-gen system which, among other features, will have a 1.33:1 aspect ratio, like the 15/70 film format. (It will use a vertical anamorphic stretch to obtain that shape from the native 1.9 ratio of the DCI -spec projectors it will use.) Imax CTO **Brian Bonnick** provided the first detailed description of the system at the GSCA conference in Ottawa last September (*see Oct.-Nov. 2013*), and Imax subsequently



In addition to 8/70 (not shown), the Strasenburgh Planetarium uses the Zeiss VI and three video projectors.

invited theater reps to a demo of the Kodak laser prototype in California in November (*see December 2013*). Many IMAX theater operators have been anxiously awaiting the system's rollout, hoping to see for themselves whether it is worth the premium price Imax will charge. Unfortunately, it appears they will have to wait a little longer.

When originally announcing the next-gen system in July 2011 (*see The Biz, Summer 2011*), CEO **Richard Gelfond** said, "we're aiming to have [the system] available by mid-2013, although there's no guarantee about that." The date has been pushed back at nearly every subsequent announcement, and as we report in this issue (*see page 4*) Gelfond most recently said he hopes that up to ten "alpha units" will be installed in 2015, with the rollout of production units beginning in 2016.

In the meantime, other laser providers are continuing to make progress. **Christie Digital** has announced that it will demonstrate its new six-primary projector at trade shows in March and April (*see The Biz on page 4*), and that the system is "earmarked for mass production in early 2015." Christie's first permanent installation of a laser-powered projector was planned for the **Cinerama Theater** in Seattle, WA, in early 2014. Although it has apparently been delayed somewhat, **Greg Wood**, president of **New Cinema Corp.**, which runs the theater, tells *LFX* that it "is still on the books for 2014."

Barco, which first demonstrated a prototype laser projector in Galveston in 2012 (*see February 2012*), has partnered with Imax on the next-gen IMAX system, but vice president **Todd Hoddick** tells *LFX* that "we've been hard at work evolving and improving our laser technology," and that the company will demo its own laser projector at **CinemaCon** in Las Vegas this March. According to Hoddick, Barco will install laser systems in the U.S. and China in the second quarter of 2014, and worldwide by the end of the year.

Unlike the other manufacturers, which are (initially, at least) retrofitting existing machines with laser light sources, Imax has the more difficult challenge of designing a whole new projector from the ground up, even though is it starting with the patents and other intellectual property it acquired from Kodak in October 2011 (*see The Biz, October 2011*). So it is not surprising that it is further behind the others.

The uncertainty leaves theaters trying to choose the best option: switch now to a xenon-lamped system (IMAX or not) that may be upgradeable to lasers later, wait for a first-gen, non-IMAX laser system that may be available in the next year or two, or wait two years or more for Imax's system.

*(see **THEATERS** on page 10)*

Imax's Scorecard

The following non-multiplex theaters have converted to or added a digital projection system to a booth that once had a giant-screen film projector. Unlike the rest of this report, which counts theaters opened by Dec. 31, 2013, this table lists some theaters that have opened, or will open, in 2014 and 2015.

Wins (IMAX film to IMAX digital): 20

1.	Virginia Air and Space Center, Hampton	2010
2.	Challenger Learning Center, FL	2010
3.	Denver Museum of Nature and Science, CO	2010
4.	Clark Planetarium, UT	2010
5.	Pacific Science Center, WA (PACCAR Theater)*	2011
6.	Suzhou Culture & Arts Centre, China	2010
7.	World Golf Hall of Fame, FL	2011
8.	Marbles Kids Museum, NC	2011
9.	Xi'an Da Ming Palace, China	2012
10.	Esquire IMAX Theatre, CA*	2012
11.	Jordan's Furniture, Reading, MA	2012
12.	Jordan's Furniture, Natick, MA	2012
13.	British Film Institute, London*	2012
14.	LG IMAX Theatre Sydney, Australia*	2013
15.	Melbourne Museum, Australia *	2013
16.	Tropicana Casino And Resort, NJ	2013
17.	Glasgow Science Center, UK	2013
18.	Navy Pier IMAX Theatre, IL*	2013
19.	IMAX des Galeries de la Capitale, QC*	2013
20.	Telus World of Science Edmonton, AB	2013

Wins (Signed for next-gen system, not installed yet): 4

21.	Smithsonian Air and Space, DC	2015
22.	Smithsonian Natural History, DC	2015
23.	Smithsonian Udvar-Hazy, VA	2015
24.	Pacific Science Center, WA (Boeing Theater)	2015

* Kept IMAX film projector, added IMAX digital
† Kept IMAX film projector, added non-IMAX digital, dropped IMAX brand
** Dome

Losses (IMAX film to non-IMAX digital): 20

1.	Swiss Transport Museum, Lucerne†	2008
2.	Moody Gardens, TX†	2009
3.	Cinecitta Multiplexkino, Germany	2010
4.	Dreamworld, Australia	2011
5.	CineStar Event Cinema, Germany	2011
6.	Hastings Museum, NE	2011
7.	Millennium Point Cinema, UK	2011
8.	Cradle of Aviation Museum, NY†**	2012
9.	Evergreen Aviation Museum, OR	2012
10.	Houston Museum of Natural Science, TX	2012
11.	Putnam Museum of History and Natural Science, IA	2012
12.	Kansas Cosmosphere and Space Center**	2012
13.	Milwaukee Public Museum, WI†**	2013
14.	Air Force Museum Theater, OH	2013
15.	Polynesian Cultural Center, HI	2013
16.	Oregon Museum of Science and Industry	2013
17.	Malecon 2000, Ecuador	2013
18.	Kentucky Science Center, Louisville	2014
19.	Memphis Pink Palace Museum, TN	2014
20.	Science Museum of Virginia, Richmond†**	2014

Losses (non-IMAX film to non-IMAX digital, meet GSCA specs): 15

21.	Zion Canyon Giant Screen Theater, UT	2008
22.	Rheged Centre, Penrith, UK	2009
23.	Shonandai Cultural Center, Japan	2009
24.	Central Texas College, Killeen**	2010
25.	Sanuki Children's Center, Japan**	2010
26.	National Museum of Emerging Science and Innovation**	2010
27.	National Science Museum, South Korea**	2010
28.	Yamanashi Science Museum**	2010
29.	COSI Columbus, OH	2011
30.	Louisiana Art and Science Museum, Baton Rouge**	2011
31.	New Mexico Museum of Natural History and Science	2011
32.	Koriyama Municipal Science Museum, Japan**	2012
33.	Tamarokuto Science Center, Japan**	2012
34.	Washington Pavilion of Arts and Sciences, SD**	2012
35.	Kansas City Union Station, MO	2013

The Tom Ridge Environmental Center in Erie, PA, added 2K digital in 2012, and has stopped using its 8/70.

*(from **THEATERS** on page 9)*

The future of 70mm film

The six active non-IMAX 15/70 theaters can run all of the titles that IMAX film theaters can show, except those distributed by Imax Corporation, which only leases films to IMAX theaters).

Unfortunately, the same is not true of active 8/70 or 10/70 theaters. We recently surveyed GS distributors to learn about the availability of their titles in the various 70mm formats, and the current 8/70 inventory is roughly one-quarter to one-half that of 15/70. The situation is worse for 10/70. For instance, some 85 GS films can be leased immediately in new 15/70 prints; only 39 are available in 8/70. Used 15/70 prints are available for 79 titles, but only 21 in 8/70. (These numbers do not include films distributed by Imax, which declined to provide data on its library.)

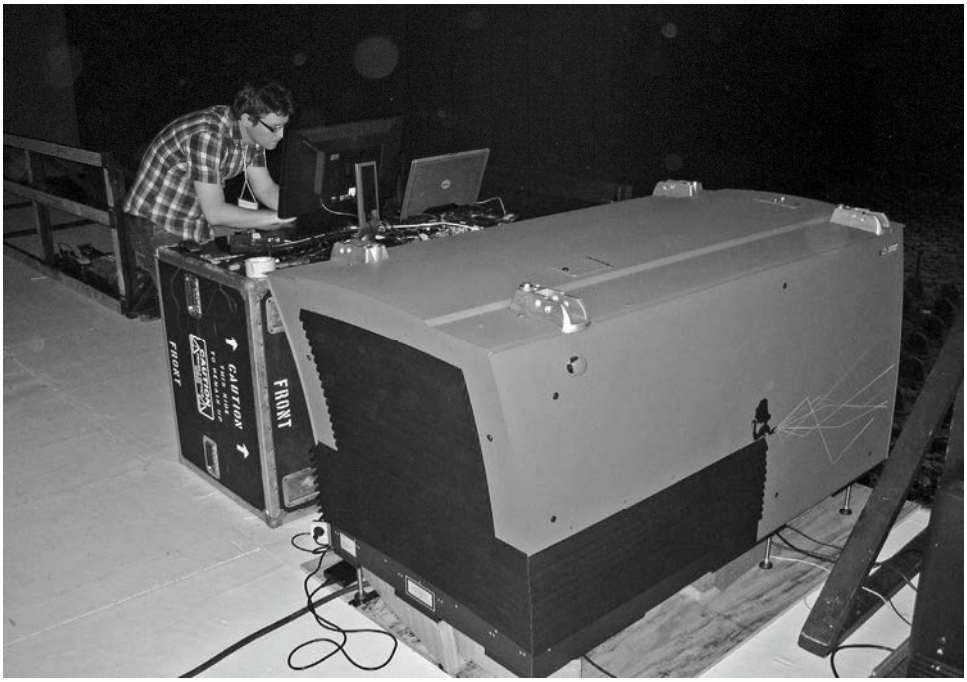
Of 140 GS titles from 15 distributors, 51 are not available in 8/70, whereas only 11 are not available in 15/70. (All of those eleven are distributed in digital formats only.) Fully 100 are not available in 10/70.

Interestingly, theaters that have converted to digital, whether IMAX or not, have even fewer choices than 8/70 theaters: 67 films are not available in DCI format, and 81 are not available in IMAX digital format. However, the majority of recent titles, and virtually all future films, will be available in digital format. And as time goes on, more will be available only in digital format.

Hollywood has already seen at least one major studio — **Paramount** — stop distributing 35mm film prints (*see Shorts, January 2014*), and although no GS distributor is likely in the near future to stop making 15/70 prints completely, it is inevitable that fewer and fewer titles will be printed to 15/70. Already, few new films are made available in 8/70.

Now that only one 65/70mm film processing lab remains in North America (*see Shorts, January 2014*), producers and exhibitors alike are more concerned about the availability and expense of shooting 65mm negatives and showing 70mm prints. As we reported last month, **Fotokem**'s **Andrew Oran** assures the GS industry that his company is "committed to supporting film as long as Kodak keeps making it," but most in the business understand that film's days are numbered. Digital cameras are improving at a rapid pace and the strained economics of GS production and distribution make it harder and harder to justify the expense of shooting more than a small fraction of a project on film.

As Hollywood turns away from the medium that has served it well for over a century — a run that few technologies of any kind can match — the giant-screen world will be one of the last bastions of film production and exhibition. It, too, will ultimately switch to digital, after nearly half a century of providing some of the most exciting and compelling cinema experiences the world has known. Whether the GS industry can maintain and expand that standard in the digital era remains to be seen.



The prototype laser projector that Barco demonstrated in Galveston in January 2012.

Premiering This Month

Galapagos 3D

"In the vastness of the Pacific Ocean, there is a paradise unlike any other: the Galapagos archipelago. Amongst these fascinating and remote volcanic islands, life has played out over millions of years in relative isolation. The result is a wonderland of nature, with a remarkable collection of plants and charismatic animals that have all adapted to this unique environment. Meet giant half-ton tortoises and marine iguanas that spit sea salt from their noses. Dance with tropical albatrosses and hunt fishes with the colorful blue-footed boobies. Dive into the ocean with flightless cormorants and swim with tiny penguins thousands of miles away from their natural habitats. Around the archipelago, converging crosswinds and deep, cold, nutrient-rich currents have made possible a unique and biodiverse marine oasis, which boasts everything from abundant microscopic plankton to Galapagos sharks. This is a story of discovery, of survival against the odds, and of nature's ingenuity, all brought to life in stunning 3D. You're invited to explore these extraordinary and enchanted islands, whose remarkable inhabitants helped change the way we understand nature."

Atlantic Productions

Galapagos 3D

Produced by **Atlantic Productions** and distributed by **nWave Pictures**. Directed by **Martin Williams**, produced by **Anthony Geffen** and **Mike Davis**, photographed by **Paul Williams** and **Simon de Glanville**, written and narrated by **David Attenborough**, with a score by **Joel Douek**. Release: Feb. 5.

RoboCop

"In ***RoboCop***, the year is 2028 and OmniCorp — the world's leader in robot technology — sees a golden opportunity to reap billions. When Alex Murphy, a loving husband, father, and good cop doing his best to stem the tide of crime and corruption in Detroit, is critically injured, OmniCorp grabs its chance to build a part-man, part-robot police officer. OmniCorp envisions a RoboCop in every city and will stop at nothing — no matter the cost to Alex — to make sure the program succeeds. But OmniCorp never counted on one thing: there is still a man fighting inside the machine."

RoboCop is directed by **José Padilha**, produced by **Marc Abraham** and **Eric Newman**, with a screenplay by **Joshua Zetumer**, based on the 1987 motion picture written by **Edward Neumeier** and **Michael Miner**. **Bill Carraro** and **Roger Birnbaum** served as executive producers. It stars **Joel Kinnaman**, **Gary Oldman**, **Michael Keaton**, and **Samuel L. Jackson**. Release: Feb. 12.

What We Count

This special report counts all 15/70, 10/70, 8/70, and IMAX digital theaters; theaters that have converted from large-format film to digital; and a growing number of DCI-compliant digital theaters in museums. This yields a total, as of Jan. 1, 2014, of 942 theaters in 58 countries worldwide.

Not all of these meet the standards established by the **Giant Screen Cinema Association** for true giant screens: domes at least 60 feet (18.3 meters) in diameter, or flat screens that are at least 70 feet (21.3 meters) wide or at least 3,100 square feet (288 square meters) in area, and that place all seats less than one screen width from the screen plane.

We consider 283 of the 942 (30%) as meeting the GSCA spec.

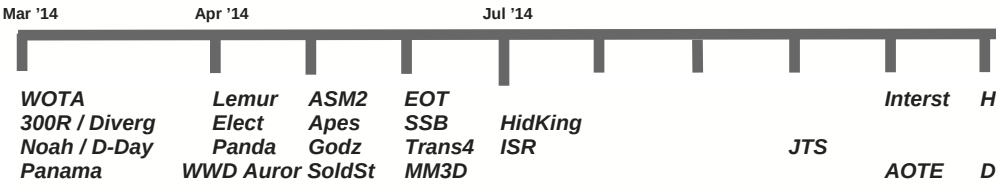
A theater is counted as long as it has the capability to show at least one of the GS formats, even if it has stopped doing so on a regular basis. Only when the projector has been removed or disabled, and no qualifying replacement installed, do we consider the theater "closed."

Until 2008, when it introduced its first digital system, **Imax Corporation** regularly released lists of all IMAX theaters that included the dimensions of their screens. It no longer does so, which makes determining the count of true giant screens more challenging. *LF Examiner* has measured the screens of more than 110 theaters, including 84 multiplex screens, using a precise laser device. Some new digital multiplex screens meet the GSCA spec, usually because they were built specifically as an IMAX theater. However, nearly no retrofitted former 35mm theaters do. Their screens are too small and/or the auditoriums are too deep.

Among the 84 new digital IMAX theaters we have measured, the average screen width is less than 60 feet (18.3 meters). We therefore presume, unless we have information to suggest otherwise, that new digital IMAX multiplex screens to not meet the GSCA spec.

Although the vast majority (86%) of IMAX digital theaters fall into this category, we count them primarily because they occasionally show the original GS films co-produced by Imax, **Warner Bros.**, and **MacGillivray Freeman Films**, and because a handful of smaller chains with IMAX theaters occasionally book GS films from independent producers.

Past years' totals in this report may not agree with those in previous reports because we are constantly updating our database as we learn of theaters that opened or closed in previous periods.



Films are 3D unless noted, underlined titles are 2D
* New listing.
Updated information is printed in **bold**.
Unless noted, all films will run about 40 minutes.
Some titles with limited release territories are not listed.

Wonders of the Arctic (formerly *Polar Quest*)
Giant Screen Films, Science North; distributor: Giant Screen Films; director, writer: David Lickley; producers: David Lickley, Don Kempf; DPs: Mark Poirier, Dylan Reade, Michael Male, Adam Ravetch; score: Amin Bhatia; executive producers: Guy Labine, Brenda Tremblay. Release: March 6.
– **Film will be screened at the GSCA Film Expo.**

300: Rise of an Empire
Legendary Pictures; distributor: Warner Bros.; director: Noam Murro. Cast: Lena Headey, Eva Green, Sullivan Stapleton, Rodrigo Santoro, David Wenham. Release: March 7. DMR.

Divergent
Summit Entertainment; distributor: Summit Entertainment; director: Neil Burger. Cast: Kate Winslet, Shailene Woodley, Ray Stevenson, Miles Teller, Tony Goldwyn, Zoë Kravitz, Ashley Judd. 2D. Release: March 21. DMR.

Noah *****
Paramount Pictures; distributor: Paramount Pictures; director: Darren Aronofsky. Cast: Russell Crowe, Emma Watson, Jennifer Connelly, Anthony Hopkins, Ray Winstone, Nick Nolte. 2D. Release: March 28. DMR.

***D-Day*: Normandy 1944**
N3D Land Productions; distributor: 3D Entertainment Distribution; director: Pascal Vuong; producers: Catherine and Pascal Vuong; DP: Christophe Grelier; script: Pascal Vuong; executive producers: Catherine and Pascal Vuong. Narrator: Tom Brokaw. Shot in 5K. Release: March.
– **Film will be screened at the GSCA Film Expo.**

Panama: A Land Divided, a World United
Large Screen Cinema; distributor: tba; director: Keith Melton; producer: Gordon Bijelonic; associate producer: Jeffrey Kirsch; DP: Reed Smoot. Release: March.

Island of Lemurs: Madagascar
Imax Corporation, Warner Bros.; distributor: Imax Corporation; director: David Douglas; producer: Drew Fellman; DP: David Douglas. Narrator: Morgan Freeman. Release: April 4.
– **Film will be screened at the GSCA Film Expo.**

Electropolis (wt)
Melrae Pictures; distributor: National Geographic; director: Melissa Butts; producers: Melissa Butts, Kimberly Rowe; script: Shane Colton. Release: Spring.

Pandas: A Journey Home
Oxford Scientific, National Geographic; distributor: National Geographic; director: Nicholas Brown; producer: Carolyn Hawkins; DPs: Chris Openshaw, Robin Cox; script: Nigel Levy; score: Samuel Sim; executive producers: Jeremy Bradshaw, Claire Birks. Narrator: Joely Richardson. Release: Spring.
– **Film will be screened at the GSCA Film Expo.**

Walking With Dinosaurs 3D
BBC Earth; distributor: BBC Earth, Giant Screen Films. Release date: Spring.

Aurora
Kallisti Media; distributor: Kallisti Media; director, writer: Jonathan Kitzen; producers: Nick Reed, Jonathan Kitzen. Release: May 1.
– Film includes 14 minutes of 3D footage of auroras shot with 15-km interocular.

The Amazing Spider-Man 2
Sony Pictures; distributor: Columbia Pictures; director: Marc Webb. Cast: Andrew Garfield, Emma Stone, Jamie Foxx, Dane DeHane. Release: May 2 (domestic); April 16 (international). DMR.

Great Apes 3D
Visionquest Entertainment, nWave Pictures, Screen Australia; distributor: nWave Pictures Distribution; director: Jeremy Hogarth; producer: Norm Wilkinson; script: Charlie de Salis, Norm Wilkinson, Holly Carroll, Graeme Duckham, Jeremy Hogarth; DP: Mark Lamble. Cast: Holly Carroll. Release: May 9.
– **Film will be screened at the GSCA Film Expo.**

Godzilla
Legendary Pictures; distributor: Warner Bros.; director: Gareth Edwards. Cast: Aaron Taylor-Johnson, Bryan Cranston, Elizabeth Olsen, Ken Watanabe, Juliette Binoche, David Strathairn. Release: May 16. DMR.

Soldiers' Stories
Kallisti Media; distributor: Kallisti Media; director, writer: Jonathan Kitzen; producers: Nick Reed, Jonathan Kitzen. Release: May 24.
– The last of image cleanup and animation has been completed.
– A colorized version, made using a proprietary tinting process, will be available.

Edge of Tomorrow
3 Arts Entertainment; distributor: Warner Bros.; director: Doug Liman. Cast: Tom Cruise, Emily Blunt, Bill Paxton, Marianne Jean-Baptiste. Release: June 6.

Star-Spangled Banner
Maryland Science Center; distributor: Giant Screen Films; directors, producers, writers: Bayley Silleck, David Clark; DP: DJ Roller; executive producers: Van Reiner, James O'Leary. 20 min. Release: June 14.
– Fall 2013: Filmed on historic ships in Lake Erie, and at Fort McHenry and around Baltimore.
– Principal photography is nearly complete.

Transformers 4: Age of Extinction
Di Bonaventura Pictures; distributor: Paramount Pictures; director: Michael Bay. Cast: Mark Wahlberg, Nicola Peltz, Stanley Tucci, Kelsey Grammer, Peter Cullen. Release: June 27. DMR.

Micro Monsters 3D: A Visit to the World of Insects
Atlantic Productions; distributor: tba; producers: Anthony Geffen, Sias Wilson; writer: David Attenborough; executive producer: Anthony Geffen. Release: June.

Hidden Kingdoms
BBC Earth; distributor: BBC Earth, Giant Screen Films; director: Mark Brownlow; DPs: Jonathon Jones, Rod Clark, Kevin Flay, Tim Shephard, Rob Hollingsworth; score: Ben Foster; executive producers: Neil Nightingale, Mike Gunton. Release: Summer.
– Post production is under way.

In Saturn's Rings
SV2 Studios; distributor: BIG & Digital; director, producer, writer, executive producer: Stephen van Vuuren. 2D. Release: Summer.
– January: Recorded score with Greensboro Symphony Orchestra in Greensboro, NC.

Journey to Space: A Shuttle Adventure (wt) *****
A celebration of the Space Shuttle program and what it contributed to the next chapter in space exploration.
K2 Films, Giant Screen Films; distributor: K2 Communications, Giant Screen Films; director: Mark Krenzien. Release: Fall.
– January/February: Shooting at Johnson Space Center, MIT, Kennedy Space Center, and more.

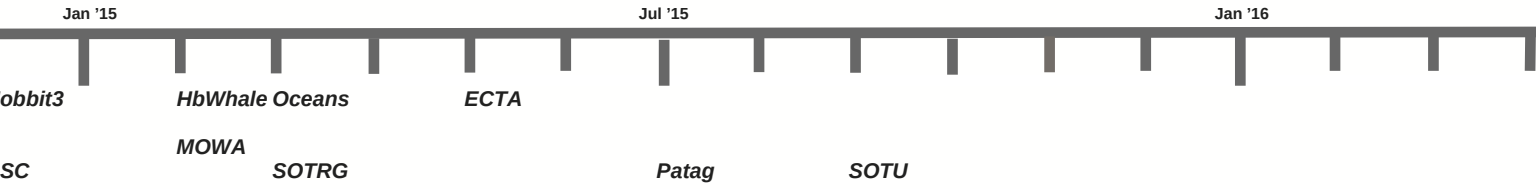
Interstellar
Paramount Pictures; distributor: Paramount Pictures; director: Christopher Nolan. Cast: Jessica Chastain, Anne Hathaway, Matthew McConaughey, Michael Caine. 2D. Release: Nov. 7. DMR.

***The Hobbit*: There and Back Again**
WingNut Films; distributor: Warner Bros.; director: Peter Jackson. Cast: Elijah Wood, Cate Blanchett, Hugo Weaving, Stephen Fry, Benedict Cumberbatch, Martin Freeman, Ian McKellen, Andy Serkis. Release: Dec. 17. DMR.

Antarctica on the Edge (formerly *Wild Antarctica*)
Giant Screen Films, Oceans 8 Productions; distributor: Giant Screen Films, D3D Cinema; director: John Bowermaster; producers: Jon Bowermaster, Don Kempf, Andy Wood; DPs: Ken Corbin, Bob Cranston; script: Jon Bowermaster, Mose Richards; score: Alice Wood; original music: Natalie Merchant; executive producer: Gary Smaby. Release: Late 2014.

Deepsea Challenge 3D
Earthship Productions; distributor: National Geographic; directors: John Bruno, Andrew Wight, Ray Quint; producers: James Cameron, Brett Popplewell; script: Andrew Wight, John Garvin; DPs: Jules O'Loughlin, John Stokes. Release: late 2014.
– **Film will be screened at the GSCA Film Expo.**

Humpback Whales (wt)
MacGillivray Freeman Films; distributor: MacGillivray Freeman Films; director: Greg MacGillivray; producer: Shaun MacGillivray; script: Stephen Judson; DPs: Brad Ohlund, Howard Hall, Greg MacGillivray, Ron Goodman; score: Steve Wood. Release: February



2015.

The Magic of Wild Africa
BBC Earth, Reliance Entertainment; distributor: BBC Earth, Giant Screen Films; directors: Patrick Morris, Neil Nightingale; producers: Neil Nightingale, Myles Connolly; DPs: Mark Deeble, Robin Cox, Simon Wery, Jamie McPherson, Rod Clarke, Doug Anderson, Sophie Darlington, John Shire, Tim Shepherd; executive producer: Amanda Hill. Release: Early 2015.

Oceans 3D (wt)
3D Entertainment Films; distributor: 3D Entertainment Distribution; director: Jean-Michel Cousteau; producers: François Mantello, Jean-Jacques Mantello; DP : Gavin McKinney; score: Christophe Jacquelin. Cast: Jean-Michel Cousteau. Release: March 2015.
– October: One-month shooting expedition in Fiji with Jean-Michel Cousteau and team.

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Secrets of the Royal Garden (formerly *The Kingdom of Plants*)
Atlantic Productions; distributor: tba; director: Martin Williams; producer: Anthony Geffen; script: David Attenborough; DP: Tim Cragg; score: Joel Douek; executive producer: Anthony Geffen. Shot in 4K. Cast: David Attenborough. Release: Spring 2015.
– Film was shot in 4K digital for British television. A 40-minute version for 15/70 and digital GS theaters is being prepared.

Everest: Conquering Thin Air (wt)
MacGillivray Freeman Films; distributor: MacGillivray Freeman Films; director: Greg MacGillivray; producer: Shaun MacGillivray; script: Stephen Judson; DPs: Brad Ohlund, Michael Brown, Greg MacGillivray, Jack Tankard, Ron Goodman; score: Steve Wood. Cast: Jamling Norgay, Araceli Segarra. Release: May 2015.
– Filming at Everest base camp has been delayed to May.

Patagonia 3D: Into the Wild (wt)
3D Entertainment Films; distributor: 3D Entertainment Distribution; directors/producers: François Mantello, Jean-Jacques Mantello; score : Christophe Jacquelin. Release: 2015.
– Six filming expeditions have been completed.
– Principal photography is complete.

Secrets of the Universe
Stephen Low Company; distributor: K2 Communications; director: Stephen Low; producer: Pietro Serapiglia; DP: Mark Poirier; executive producer: K2 Communications. Release: Fall 2015.
– March, April: Filming at CERN, including inside the collider while it's closed for maintenance.

Atlantic Productions

Filming African acacia ants with a digital 3D rig in Nairobi National Park in Kenya for Atlantic Productions' MicroMonsters: A Visit to the World of Insects.
L to r: sound recordist Gian Carlo Delllapina, scientist Todd Harper, focus puller Ossian Bacon.

New, Converted, and Closed Theaters in 2013

NEW THEATERS

City	Organization	Country	Mfr	Fmt	Proj	2D/3D	Scrn	Opened
Beijing	Beijing Jinyuan Stellar IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Guangzhou	UA Cinemas MoW IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Kunshan	Kunshan Culture & Art Centre	CHINA	IMAX	D	DIG	3D	F	1/2013
Lishui	Zhejiang Wandi & IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Panjin	CGV International Cinema & IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Wuxi	Wuxi Wanda Square & IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Xiamen	Xiamen Jinyi Intl & IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Zhongshan	Zhongshan CJ CGV Cinema & IMAX	CHINA	IMAX	D	DIG	3D	F	1/2013
Chennai	Luxe IMAX	INDIA	IMAX	D	DIG	3D	F	1/2013
Chennai	Palazzo IMAX	INDIA	IMAX	D	DIG	3D	F	1/2013
Mytischy	MORI Cinema & IMAX	RUSSIA	IMAX	D	DIG	3D	F	1/2013
Keelung	National Museum of Marine Science & Tech	TAIWAN	IMAX	D	DIG	3D	F	1/2013
Delray Beach, FL	Frank Theatres Cine Grille & Bowl & IMAX	USA	IMAX	D	DIG	3D	F	1/2013
York, PA	Frank Queensgate Stadium 13 & IMAX	USA	IMAX	D	DIG	3D	F	2/13/2013
Quito	IMAX at Paseo San Francisco	ECUADOR	IMAX	D	DIG	3D	F	3/2013
Northfield, NJ	Frank Tilton 9 & IMAX	USA	IMAX	D	DIG	3D	F	5/2/2013
Ulsan	CGV Ulsan Samsan	SOUTH KOREA	IMAX	D	DIG-HFR	3D	F	5/3/2013
Savoy, IL	Goodrich Savoy 16	USA	IMAX	D	DIG	3D	F	5/3/2013
Mumbai	PVR Phoenix IMAX	INDIA	IMAX	D	DIG	3D	F	6/1/2013
Lisbon	Zon Lusomundo Colombo & IMAX	PORTUGAL	IMAX	D	DIG	3D	F	6/1/2013
Surprise, AZ	Digiplex Surprise Pointe 14	USA	IMAX	D	DIG	3D	F	6/14/2013
Syracuse, NY	Regal Destiny USA Stadium 19 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	6/14/2013
Bryan, TX	Bryan Premiere Cinemas + IMAX	USA	IMAX	D	DIG	3D	F	9/6/2013
Hollywood, CA	TCL Chinese Theatres	USA	IMAX	D	DIG-HFR	3D	F	9/15/2013
Ocala, FL	Regal Hollywood 16 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	10/4/2013
Deux Montagnes, QC	Guzzo Mega-Plex Deux-Montagnes 14 & IMAX	CANADA	IMAX	D	DIG-HFR	3D	F	10/30/2013
Alpharetta, GA	AMC North Point Mall 14 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	10/2013
Chicago, IL	Regal City North Stadium 14 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	11/1/2013
Midland, TX	Regal Tall City Stadium 14 & IMAX	USA	IMAX	D	DIG	3D	F	11/1/2013
Durban	Gateway IMAX Theatre	SOUTH AFRICA	IMAX	D	DIG-HFR	3D	F	11/8/2013
Albuquerque, NM	Regal Winrock Stadium 16 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	11/15/2013
Manchester	Odeon Trafford Centre	UK	IMAX	D	DIG-HFR	3D	F	11/18/2013
El Paso, TX	El Paso Premiere Cinemas & IMAX	USA	IMAX	D	DIG	3D	F	11/21/2013
Columbus, GA	Carmike Columbus 15 & IMAX	USA	IMAX	D	DIG	3D	F	12/13/2013
Tyler, TX	Carmike Tyler 14 & IMAX	USA	IMAX	D	DIG	3D	F	12/13/2013
Salzburg	CineplexX Salzburg City & IMAX	AUSTRIA	IMAX	D	DIG-HFR	3D	F	2013
Fortaleza	UCI Ribeiro Shopping Iguatemi Fortaleza	BRAZIL	IMAX	D	DIG	3D	F	2013
Porto Alegre	Bourbon Shopping Wallig IMAX	BRAZIL	IMAX	D	DIG	3D	F	2013
Bengbu	Bengbu Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Changchun	Changchun Kuancheng Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Changsha	CGV Changsha & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Changsha	Changsha Kaifu Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chengdu	Chengdu Bravo Shuangliu & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chengdu	Chengdu CGV & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chengdu	Chengdu Lumiere & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chengdu	Chengdu Huanqiu Stellar & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chengdu	Chengdu UA IFC & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Chenzhou	Chenzhou Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Dalian	Dalian Gaoxin Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Dandong	Dandong Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Daqing	Daqing Omnijoi & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Dongguan	Dongguan Changan Wanda IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Foshan	Foshan Jinyi & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Fushun	Fushun Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Guangzhou	Guangzhou Fanyang & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Guangzhou	Guangzhou Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Guiyang	Guiyang Stellar International Cinema & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Guiyang	Guiyang Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Haikou	Haikou Zose & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Harbin	Haxi Wanda Plaza IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Hong Kong	Cine Grand Century & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Huizhou	Huizhou Kaishi & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Nanjing	Nanjing Jiangning Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Nanjing	Nanjing Xinjiekou IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Nanning	Guangxi Yongheng Winhand Jingzuan & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Nanning	Nanning Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Ningbo	CGV Ningbo Cultural Square & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Ningbo	Yuyao Wanda Plaza & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Shanghai	Shanghai Broadway Cinema IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Shenyang	Shenyang Olympic Wanda IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Shenyang	CGV Shenyang Richgate IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Wuhan	Wuhan CGV & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Wuhan	Hanjie Wanda Plaza & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Wuhan	Wuhan Lingjiaohu Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Wuxi	Wuxi Huishan Wanda IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Xiamen	Xiamen Jimei Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
City	Organization	Country	Mfr	Fmt	Proj	2D/3D	Scrn	Opened
Xi'an	Xi'An Beilin Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Xi'An	Xi'An Daminggong Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Xuzhou	Xuzhou Yunlong Wanda & IMAX	CHINA	IMAX	D	DIG	3D	F	2013

Yixing	Yixing Wanda IMAX	CHINA	IMAX	D	DIG	3D	F	2013
Santiago de Cali	Cinepolis Premier Limonar & IMAX	COLOMBIA	IMAX	D	DIG	3D	F	2013
Guatemala City	Cinepolis Miraflores & IMAX	GUATEMALA	IMAX	D	DIG	3D	F	2013
Thane	Cinepolis Vivana Mall & IMAX	INDIA	IMAX	D	DIG	3D	F	2013
North Jakarta	Gading Cinema XXI IMAX	INDONESIA	IMAX	D	DIG	3D	F	2013
Sesto San Giovanni	Multiplex Skyline & IMAX	ITALY	IMAX	D	DIG-HFR	3D	F	2013
Amman	Grand Cinemas City Mall & IMAX	JORDAN	IMAX	D	DIG	3D	F	2013
Johor Bahru	TGV Tebrau & IMAX	MALAYSIA	IMAX	D	DIG	3D	F	2013
Guadalajara	Cinepolis Forum Tlaquepaque & IMAX	MEXICO	IMAX	D	DIG	3D	F	2013
Mexico City	Cinepolis Forum Buenavista & IMAX	MEXICO	IMAX	D	DIG	3D	F	2013
Puebla	Cinepolis Angelopolis Puebla & IMAX	MEXICO	IMAX	D	DIG-HFR	3D	F	2013
Mandaluyong City	IMAX Megamall	PHILIPPINES	IMAX	D	DIG-HFR	3D	F	2013
Taguig City	SM Cinema Aura Premier IMAX	PHILIPPINES	IMAX	D	DIG-HFR	3D	F	2013
Chelyabinsk	Cinema Park IMAX Chelyabinsk	RUSSIA	IMAX	D	DIG	3D	F	2013
Kaliningrad	Cinema Park IMAX Kaliningrad	RUSSIA	IMAX	D	DIG	3D	F	2013
Naberezhnye Chelny	Cinema Park SLC Torgovyi Kvartal & IMAX	RUSSIA	IMAX	D	DIG	3D	F	2013
Saint Petersburg	Formula Kino Gemchuzhina & IMAX	RUSSIA	IMAX	D	DIG-HFR	3D	F	2013
Saint Petersburg	Formula Kino Piterland, IMAX Sapphire	RUSSIA	IMAX	D	DIG-HFR	3D	F	2013
Tomsk	Kinomax Tomsk & IMAX	RUSSIA	IMAX	D	DIG	3D	F	2013
Ulan Ude	People's Cinema IMAX	RUSSIA	IMAX	D	DIG	3D	F	2013
Vladivostok	Ocean Cinema Theatre	RUSSIA	IMAX	D	DIG	3D	F	2013
Geneva	Pathe Balexert & IMAX	SWITZERLAND	IMAX	D	DIG-HFR	3D	F	2013
Taipei	Vie Show Cinemas Banciao Mega City IMAX	TAIWAN	IMAX	D	DIG	3D	F	2013
Chiang Mai	IMAX Central Festival Chiangmai	THAILAND	IMAX	D	DIG-HFR	3D	F	2013
Hat Yai	Central Festival Hat Yai & IMAX	THAILAND	IMAX	D	DIG-HFR	3D	F	2013
Istanbul	Cinemaximum Marmara Park IMAX	TURKEY	IMAX	D	DIG	3D	F	2013
Greenhithe	Showcase Cinemas Bluewater & IMAX	UK	IMAX	D	DIG-HFR	3D	F	2013
Baton Rouge, LA	AMC Baton Rouge 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Burnsville, MN	Paragon Odyssey 15 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	2013
Columbia, SC	Regal Sandhill Stadium 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Downingtown, PA	Regal Downingtown Cinema Stadium 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Franklin, TN	Carmike Thoroughbred 20 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Glendora, CA	AMC Glendora 12 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	2013
Grove City, OH	AMC Grove City 14 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	2013
Harvey, LA	AMC Westbank Palace 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Issaquah, WA	Regal Issaquah Highlands 12 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	2013
Montgomery, AL	AMC Festival Plaza 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Omaha, NE	AMC Westroads 14 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Richmond, VA	Regal Short Pump Stadium 14 & IMAX	USA	IMAX	D	DIG-HFR	3D	F	2013
Simpsonville, SC	Regal Simpsonville Stadium 14 & IMAX	USA	IMAX	D	DIG	3D	F	2013
Temple, TX	Temple Premiere Cinemas & IMAX	USA	IMAX	D	DIG	3D	F	2013
Vancouver, WA	Regal Cascade Stadium 16 & IMAX	USA	IMAX	D	DIG	3D	F	2013
West Chester, OH	AMC West Chester 19 & IMAX	USA	IMAX	D	DIG	3D	F	2013

CONVERTED THEATERS

City	*Organization*	*Country*	*Mfr*	*Format*	*Old*	*2D/3D*	*Scrn*	*ConvertDate*
Sydney	IMAX Theatre Darling Harbour	AUSTRALIA	IMAX	1570+DIG	GT	3D	F	1/2013
Melbourne	IMAX Theatre Melbourne	AUSTRALIA	IMAX	1570+DIG	GT	3D	F	1/2013
Kansas City, MO	Kansas City Union Station	USA	BARCO	D	1570	3D	F	1/2013
Orlando, FL	Regal Pointe Orlando Stadium 20 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	3/1/2013
Dayton, OH	U.S. Air Force Museum Foundation	USA	BARCO	D	GT	3D	F	3/1/2013
Atlantic City, NJ	Tropicana Casino And Resort	USA	IMAX	D	SR	3D	F	3/26/2013
Laie, HI	Polynesian Cultural Center	USA	CHRIS	D	GT	3D	F	3/30/2013
Buenos Aires	IMAX Theatre Showcase at Center Norte	ARGENTINA	IMAX	D	GT	3D	F	4/30/2013
Ontario, CA	Regal Ontario Palace Stadium 22 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	4/30/2013
Berlin	CineStar Berlin & IMAX	GERMANY	IMAX	D	4K	3D	F	7/1/2013
Glasgow	Glasgow Science Centre	UK	IMAX	D	GT	3D	F	9/5/2013
New York, NY	AMC Loews Lincoln Square 13 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Auckland	Event Cinemas Queen Street IMAX	NEW ZEALAND	IMAX	1570+DIG	GT	3D	F	10/3/2013
San Francisco, CA	AMC Loews Metreon 16 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Los Angeles, CA	AMC Universal Citywalk Stadium 19 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Toronto, ON	Cineplex Scotiabank Theatre Toronto & IMAX	CANADA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Montreal. QC	Cineplex Cinema Banque Scotia Montreal IMAX	CANADA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Irvine, CA	Regal Irvine Spectrum 21 & IMAX	USA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Taipei	Miramar IMAX Theatre	TAIWAN	IMAX	1570+DIG	GT	3D	F	10/3/2013
Quebec, QC	IMAX des Galeries de la Capitale	CANADA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Chicago, IL	Navy Pier IMAX Theatre	USA	IMAX	1570+DIG	GT	3D	F	10/3/2013
Portland, OR	Oregon Museum of Science and Industry	USA	CHRIS	D	GT	3D	F	11/29/2013
Edmonton, AB	Telus World of Science Edmonton	CANADA	IMAX	D	GT	3D	F	12/26/2013
Guayaquil	Cinema Malecon	ECUADOR	unk	D	GT	3D	D	2013
Taichung	National Museum of Natural Science	TAIWAN	unk	D	1070	2D	D	2013
Tatebayashi	Mukai Chiaki Children's Science Museum	JAPAN	GOTO	D	1070	2D	D	2013

CLOSED THEATERS

City	*Organization*	*Country*	*Mfr*	*Format*	*Proj*	*2D/3D*	*Scrn*	*Opened*	*Closed*
Bremen	CinemaxX Bremen	GERMANY	IMAX	D	DIG	3D	F	11/17/2010	1/28/2013
Winnipeg, MB	IMAX Theatre Winnipeg	CANADA	IMAX	1570	GT	3D	F	9/1/1987	3/2013
Shakopee, MN	Valleyfair Family Amusement Park	USA	IMAX	1570	GT	2D	F	5/19/1982	9/30/2013
Cairo	Mubarak Educational City	EGYPT	IMAX	1570	SR	3D	F	3/2006	2013

U.S. Chains Expanding PLF Brands and Screens

As if the threat from competitors in China were not enough (*see China item in The Biz*), **Imax Corporation** is facing competition from domestic theater chains — many of which also operate IMAX theaters — that are expanding their own, in-house, premium large-format (PLF) venues. These theaters feature many of the same amenities that multiplex IMAX theaters have, including enlarged floor-to-ceiling screens, brighter images, and enhanced sound systems, along with an upcharge over the standard ticket price.

In the past two years, North American chains have accelerated construction of PLF venues, led by **Cinemark** with 91 XD screens. The total PLF screen count across all exhibitors could soon exceed the number of multiplex IMAX theaters. The top five domestic circuits now operate 271 IMAX screens and 243 of their own in-house PLF theaters. *LF Examiner* has identified no fewer than 20 PLF brands in North America with a total of 295 screens; Imax currently has 342 multiplex theaters in the U.S. and Canada.

In a sign of the times, movietickets.com has recently created a page just for PLF theaters, with links to 14 chains with a total of nearly 80 PLF screens. (It also has an IMAX page.)

PLF theaters are attractive to exhibitors and studios because even though the per-ticket upcharge is generally lower than the IMAX premium, Imax typically takes about one third of the grosses of films that run on its screens: about 20% from the theaters and 12.5% from the studios. The theaters are also free to select which films to show in their PLF houses, and don't have to rely on the titles selected by Imax. However, none of the PLF brands has name recognition approaching that of IMAX, which has been in the business for over 40 years.

Imax CEO **Richard Gelfond** has repeatedly dismissed the threat posed by PLFs, and was recently quoted by the *Wall Street Journal* as saying that "It's like putting a Mercedes on a Ford body and saying you have a Mercedes." In the same article, **Timothy Warner**, CEO of **Cinemark**, countered that digital technology makes creating a high-end theater much simpler than it was in the days of film: "There [is] enough off-the-shelf technology that, if you know how to put it together, you could create your own PLF experience."

In the *WSJ* article, reporter **Erich Schwartzel** asks a key question: "Will [multiplex] theaters renew their IMAX contracts when they come up for renewal starting in 2017?"

*(from **PETERSON** on page 2)*

early '80s was lack of a film library. In pitching Showscan to us, Doug magnanimously offered to produce the first two features for the museum. The second two would be a joint venture between EEG and the museum, and the final two would be museum productions. This was unlikely to be approved by the Museum's board, however, as they were already reeling (no pun intended) from the proposed $4.5 million expense to be undertaken on the bricks and mortar side. To invest a similar amount in celluloid would have put them in an early grave. But had I thought it could have succeeded, I believe I would have chosen Showscan instead of IMAX. (Just wanted to let you know, Doug.)

In 1986, **Imax Corporation** launched its own high-frame-rate film format, called IMAX HD, a 48-fps system that debuted at Vancouver's Expo with a film entitled ***Transitions***. At the annual meeting of the **Space Theatre Consortium** in Seattle/Vancouver that year, I was fortunate enough to view the film and was again impressed by the superior clarity and stability of HFR motion pictures. No flicker or strobing — just rock solid images. Imax abandoned the format, however, and soon enough new characters appeared and hijacked the company: the dream was no longer alive.

By chasing Hollywood, Imax has diluted the brand insofar as institution-based theaters are concerned. At some commercial locations, the format has been bastardized, and the value of "The IMAX Experience" demeaned by small screens, inappropriate sight lines and layout, as well as compromised acoustics, among other problems. My impression is that institutional giant-screen theaters no longer come to mind when the public contemplates the IMAX brand. Concomitantly, attendance at museum theaters has declined.

Is it possible to revive the energy of years gone by? Something dramatic needs to occur if giant-screen theaters are once again to become primary destinations, since audience members long to witness something they cannot experience either at home or in conventional cinemas. I believe that films acquired and projected at high frame rates offer such an opportunity. If you've never seen true HFR, it's hard to explain. If you have, I don't need to: it's vastly superior to HDTV or even 4K digital. This sounds like the way we used to describe IMAX theaters and films awhile back, doesn't it?

With digital cinema technology, increasing the frame rate is a trivial undertaking, and it has been demonstrated by **Peter Jackson** in his ***Hobbit*** films. Doug Trumbull has also been working on new 3D HFR digital systems with frame rates as high as 120 fps!

I believe this is an obvious and compelling idea and one that might be usefully advanced as giant-screen theaters attempt to regain their former positions of prominence in the museum world. I urge filmmakers and exhibitors to consider this option carefully and to take necessary steps to adopt high frame rate capture and exhibition as the giant-screen industry standard.

Mark B. Peterson is a veteran of the planetarium and giant-screen world and has worked on some 135 institutional and cultural tourism theater projects on his own and in affiliation with White Oak Associates, Inc. Mark lives in Port Hadlock, WA, where he draws star maps (www.starglobalmapping.com), and is presently training for an attempt on the world senior disk golf distance record. His email address is starmapper75@gmail.com.

Universal Pictures

Jason Clarke stars in Universal's Everest.

*(from **SHORTS** on page 24)*

ognize "outstanding media that best illustrate the wonders of science to a broad audience."

The call for entries began on March 1, and continues to June 1. For more information visit www.jhfestival.org.

(The meeting immediately precedes the annual conference and trade show of the **Giant Screen Cinema Association**, which will be held in Toronto, Sept. 20–23.)

Lucerne installs E&S 8K fulldome

The **Swiss Transport Museum** in Lucerne has installed an **Evans & Sutherland** 8K Digistar 5 in its 59-foot (18-meter) dome. The installation uses five JVC projectors and features E&S' auto-alignment and auto-blending systems to automatically match alignment, color, and brightness from the multiple projectors to make the image as seamless as possible.

The museum will host the 2014 Symposium of Planetariums in May. For more information, visit www.verkehrshaus.ch/en/symposium2014.

Jurassic World shooting 65mm

According to a Twitter message by director **Colin Trevorrow**, **Universal**'s ***Jurassic World*** will be shot in part on 65mm film, presumably with IMAX cameras. On Feb. 5, the director tweeted "Honored to be working with cinematographer **John Schwarzman** on Jurassic World, shooting this April on 35mm and 65mm film. @Kodak @Panavision."

Schwartzman's previous work includes two films that appeared in DMR versions (but were not shot with IMAX cameras): ***Night at the Museum: Battle of the Smithsonian*** (2009) and ***The Amazing Spider-Man*** (2012).

A sequel to three previous *Jurassic Park* movies, *Jurassic World* was not listed on **Imax Corporation**'s Web site as this issue went to press, but Imax CEO **Richard Gelfond** revealed in a February conference call that the June 2015 release would play in IMAX theaters. He did not say that it would use IMAX cameras.

Universal's *Everest* in IMAX

Filming has started on ***Everest***, a theatrical feature film being produced by **Universal Pictures**, **Walden Media**, and **Cross Creek Pictures** for release in February 2015. The drama is based on the events of May 1996 in which eight people died while trying to reach the summit of the world's tallest mountain. A DMR version will be released to IMAX theaters.

The film is directed by **Baltasar Kormákur** and stars **Jake Gyllenhaal** and **Jason Clarke** as guides **Scott Fisher** and **Rob Hall**, **Josh Brolin** as climber **Beck Weathers**, and **Michael Kelly** as author **Jon Krakauer**, whose book, *Into Thin Air*, first told the story of the tragedy.

The same story was told in the 1998 documentary giant-screen film, ***Everest***, produced by **MacGillivray Freeman Films**. It is one of the most successful GS films of all time, and according to BoxOfficeMojo.com, the third highest-grossing documentary of all time, after *Fahrenheit 9/11* and ***Space Station 3D***.

IMAX makeup controversy

A Chinese company has launched a brand of cosmetics called IMAX, and sparked controversy with online advertisements that falsely claim that is products are made in the Republic of Korea and that ROK president Park Geun-hye uses them. The Korean embassy in China protested the ads, which used photos of the president without her permission. Chinese media report that the ads were removed.

Worldwide GS and IMAX Theaters

As of February 1, 2014

Note: To avoid double counting, theaters with digital and 15/70 systems are shown as 15/70 only.

C = Commercial Standalone CT = Theme Park
CM = Multiplex I = Institutional

By Format and Operator Type

		C	CM	CT	I	Total
Africa	D		4			4
	8/70				1	
	10/70				1	1
	15/70					
	Total		4		2	6
Asia/Pac	D		209	1	20	230
	8/70	1			9	10
	10/70				9	9
	15/70	2	3	1	28	34
	Total	3	212	2	66	283
Europe	D	2	96	2	3	103
	8/70	1		1	6	8
	15/70	6	1	5	10	22
	Total	9	97	8	19	133
Middle East	D		7			7
	8/70					
	15/70	2			2	4
	Total	2	7		2	11
North America	D	4	309	1	36	350
	8/70	3			11	14
	15/70	10	43		71	124
	Total	17	358	1	118	488
South America	D	1	14		1	16
	8/70				1	1
	15/70	1				1
	Total	2	14		2	18
World	D	7	639	4	60	710
	8/70	5		1	28	34
	10/70				10	10
	15/70	24	47	6	111	185
	Total	33	686	11	209	939

By 2D / 3D

	2D	3D	Total
Africa	2	4	6
Asia/Pac	54	229	283
Europe	20	113	133
ME	1	10	11
NA	72	416	488
SA	1	17	18
Total	150	789	939

By Screen

	Dome	Flat	Comb	Total
Africa	2	4		6
Asia/Pac	47	236		283
Europe	14	117	2	133
ME	1	10		11
NA	48	438	2	488
SA	2	16		18
Total	114	821	4	939

Bookings: February 2014 by Film

439 bookings of 76 films in 182 theaters

These listings to not include Hollywood films shown in multiplex IMAX theaters. Those films are listed when they are shown in non-multiplex theaters, and conversely, non-Hollywood giant-screen films showing on multiplex IMAX screens are also listed.

Listings shown in **bold face** below are new or updated listings. The rest are unchanged from the previous month's issue.

The data on the following pages are ***not*** warranted to be comprehensive or accurate in every detail, despite our best efforts to make them so. They have been compiled from theater surveys, distributors, the Web, and other sources.

We will make every effort to improve the thoroughness, and accuracy of these data. If your theater or film is not shown here, please get in touch with us to update our listings.

Where a date is not shown, it means that no date was provided by the source or, in the case of a closing date, that no date has been set, or that the run is indefinite.

The key to film abbreviations is on page 21.

Film	Theater	Open	Close
AfricAdv	Katowice CC	10/4/13	10/3/14
	Krakow CC	10/4/13	10/3/14
	Lodz CC	10/4/13	10/3/14
	Poznan CC	10/4/13	10/3/14
	Warsaw CC	10/4/13	10/3/14
AirRacer	Berlin CS II	1/1/13	7/1/14
AIWC	San Diego RHF	1/14	3/14
Alamo	**San Antonio 2D AMC**		
Alps	**Davenport Put**	**2/22/14**	**2/22/15**
Amazon	Hartberg	10/1/13	12/31/14
Animalop	Kuwait SCK	9/6/13	9/6/14
	Pittsburgh CSC	1/1/10	3/15/14
Bears	Hartberg	3/1/13	3/1/14
Closed	Spokane RP	9/3/13	3/1/14
CM	San Diego RHF	1/1/14	3/31/14
CRA	Hartberg	10/1/13	12/31/14
	San Diego RHF	1/14	3/14
	Tampa MOSI	11/21/13	2/14/14
CV	Alexandria BA	10/1/13	12/31/14
DIA	Hartberg	10/1/13	12/31/14
DinoAliv	Dayton	6/12/13	6/30/14
	Eilat Epic	11/1/12	3/31/14
	Harrisburg	5/17/13	7/31/14
	Mexico City Pap	12/21/13	6/30/14
	Moscow BFC	4/9/13	4/9/14
	Omaha Zoo	**3/1/13**	**4/1/14**
	Sydney WBS	12/30/13	12/30/14
	Tampa MOSI	2/7/14	2/4/15
DPTP	Baton Rouge LASM	9/12	9/14
	Baton Rouge LASM	1/13	9/14
	Jersey City	10/13	4/14
	Kagawa	5/13	5/14
	Killeen	5/12	5/14
	Killeen	1/13	12/14
	Koriyama	11/13	11/14
	Lubbock SS	1/14	12/14
	Saitama SSH	6/13	6/14
	Taipei AM	9/13	9/14
Dragons	Copenhagen	9/1/13	8/31/14
	Leon Exp	1/10/14	2/10/14
	Paris Geo	7/9/13	7/8/14
	Penrith	7/1/13	6/30/14
	Quebec	6/13/13	5/15/14
	Salt Lake City Clark	**6/22/13**	**4/3/14**
	Sudbury	2/1/14	2/28/14
DS3D	San Diego RHF	11/13	10/14
EarthWin	Auckland Sky	2/14	2/15
	Cathedral City	1/1/14	
	Melbourne MV	8/29/13	8/28/14
	Penrith	6/25/13	6/24/14
Everest	Athens Eug	10/1/13	10/31/14
	Hartberg	10/1/13	12/31/14
	Tampa MOSI	11/21/13	2/14/14
FightPil	Chantilly	12/10/04	7/14
	Corpus Christi Lex	5/12/12	7/14
	Dayton	3/1/13	6/30/14
	Huntsville USSRC	**7/1/13**	**7/1/15**
	McMinnville	3/23/12	7/1/14
	Pensacola NAM	6/8/11	7/14
	Seattle PSC 2	6/14/13	6/14/14
FlyMons	Edmonton TWS	12/26/13	12/12/14
	Erie	7/13/13	7/12/14
	Fort Worth	2/14/14	8/31/14
	Gatineau	5/6/13	5/5/14
	Guayaquil	4/22/13	4/21/14
	Orlando SC	7/1/13	6/30/14
	Stockholm	5/19/13	12/31/14
	Taichung NMNS	7/1/13	6/30/14
	Washington NMNH	5/25/12	5/14
FON	Davenport Put	5/7/13	5/6/14
	Edmonton TWS	12/26/13	12/31/14
	Pittsburgh CSC	6/1/13	12/31/14
FOTB	Chicago MSI	2/28/14	8/31/14
	Cleveland	11/27/13	11/26/14
	Davenport Put	2/15/13	8/10/14
	Dearborn THF	2/18/13	2/17/14
	Des Moines	7/1/13	6/30/14
	Detroit MSC	1/11/14	7/31/14
	Fort Lauderdale	2/8/13	2/7/14
	Galveston	3/11/13	3/10/14
	Garza Garcia	9/12/13	3/19/14
	Guangzhou MoW	9/15/12	9/14/14
	Hague	4/23/13	4/22/14
	Hampton VASC	3/29/13	3/28/14
	Harrisburg	2/1/13	2/1/14
	Hartford CSC	9/21/13	6/30/14
	Leon Exp	12/1/13	6/30/14
	London SM	9/6/13	6/30/14
	Los Angeles CSC	9/27/13	2/28/14
	Melbourne MV	3/21/13	3/20/14
	Mobile	1/14/14	5/4/14
	Penrith	7/1/13	6/30/14
	Richmond SMV	5/1/13	4/30/14
	Sacramento Imx	8/13/13	2/28/14
	Saitama SSH	2/18/13	2/17/14
	Salt Lake City Clark	**2/8/13**	**7/7/14**
	San Jose Tech	2/9/13	2/8/14
	Stockholm	4/26/13	4/14/14
	Tampa MOSI	2/8/13	2/7/14
	Toronto OSC	4/8/13	4/11/14
Galapa3D	Copenhagen	2/8/14	2/7/15
	Houston MNS	2/15/14	12/31/14
	Montreal SC	2/10/14	2/9/15
GC	Branson	10/15/13	5/15/14
	Grand Canyon DCI	11/1/99	12/14
GCA	Ede	7/19/12	7/18/14
	Gatineau	5/1/13	3/30/14
	Peoria RM	8/16/13	8/15/14
GreatNor	Saint Félicien	4/1/13	4/1/14
Greece	**Kolkata SC**	**1/15/14**	**1/14/15**
GWS	Austin TSHM	8/2/13	8/2/14
	Birmingham AL	8/2/13	8/2/14
	Birmingham UK	9/24/13	12/31/14
	Boston NEA	5/31/13	5/31/14
	Chattanooga TA	5/24/13	5/24/14
	Chicago Imx	10/4/13	10/4/14
	Denver MNS	6/21/13	6/21/14
	Houston MNS	8/2/13	8/2/14
	Indianapolis Imx	5/24/13	5/24/14
	Jersey City	10/4/13	10/4/14
	Kuwait SCK	10/15/13	10/15/14
	Lehi	9/6/13	9/3/14
	Lubbock SS	7/5/13	7/5/14
	Melbourne MV	12/31/13	12/31/14
	Memphis Pink	6/22/13	6/22/14
	Mexico City Pap	7/5/13	7/5/14
	Montreal SC	5/29/13	5/29/14
	New Orleans	5/24/13	5/24/14
	Norwalk	10/4/13	10/4/14
	Parker	11/30/13	5/31/14
	Portland OMSI I	11/29/13	11/29/14
	Saint Augustine	8/9/13	8/9/14
	Saint Paul SMM	1/9/14	2/28/14
	Sioux Falls	9/1/13	9/1/14
	Sydney WBS	12/30/13	12/30/14
	Tallahassee CLC	6/15/13	6/15/14
	Tampa MOSI	5/24/13	5/24/14
	Toronto OSC	10/4/13	10/4/14
	Victoria DCI	1/14/14	1/14/15
HaunCast	New Orleans	9/15/13	11/15/14
HCBTD	San Simeon DCI	8/17/96	
HidUniv	Atlanta FMNH	9/6/13	9/5/14
	Chantilly	1/30/14	
	Cleveland	6/28/13	6/27/14
	Copenhagen	6/28/13	6/27/14
	Hampton VASC	10/12/13	10/11/14
	Huntsville USSRC	7/1/13	6/30/14
	Hutchinson	6/28/13	6/27/14
	London SM	10/18/13	4/17/14
	McMinnville	6/28/13	6/27/14
	Melbourne HCL	9/1/13	8/31/14
	San Jose Tech	9/7/13	9/6/14
	Seattle PSC 2	**1/10/14**	**1/9/15**
	Stockholm	9/15/13	9/14/14
	Sydney WBS	9/1/13	8/31/14
	Tallahassee CLC	**2/14/14**	**2/13/15**
	Tampa MOSI	10/25/13	10/24/14
	Toulouse CDE	**2/1/14**	**1/31/15**
	Victoria DCI	10/25/13	10/24/14
	Washington NASM	1/30/14	
Hubble3D	**Salt Lake City Clark**	**3/19/10**	**7/17/14**
HumanBod	Boston MOS	11/16/13	11/15/14
	Shreveport	9/1/13	8/28/14
	Stockholm	1/1/12	12/31/14
	Toronto OSC	12/1/13	6/30/14
Jerusale	Atlanta FMNH	1/3/14	6/30/14
	Boston MOS	9/20/13	9/19/14
	Charlotte DP	9/21/13	3/30/14
	Columbus GA NIM	10/18/13	10/17/14
	Davenport Put	11/8/13	10/31/14
	Dearborn THF	2/8/14	2/7/15
	Denver MNS	2/14/14	2/13/15
	Edmonton TWS	12/26/13	12/31/14
	Garden City	9/28/13	9/27/14
	Gatineau	9/27/13	9/26/14
	Grand Rapids Cel	10/18/13	12/31/14
	Hastings	11/7/13	11/6/14
	Houston MNS	10/4/13	10/1/14
	Hutchinson	9/20/13	9/1/14
	Lehi	10/18/13	10/17/14
	London BFI	1/1/14	12/31/14
	Lubbock SS	10/11/13	9/30/14
	McMinnville	9/27/13	9/26/14
	Paris Geo	10/15/13	10/14/14
	Raleigh	2/21/14	2/20/15
	Saint Augustine	2/28/14	2/27/15
	Saint Louis SC	10/4/13	9/27/14
	Salt Lake City Clark	**11/22/13**	**9/4/14**
	Seattle PSC 2	9/27/13	9/26/14
	Speyer Dome	12/12/13	12/11/14
	Sydney WBS	2/1/14	1/31/15
	West Nyack AMC	9/23/13	
JTTSP	**Atlanta FMNH**	**1/24/14**	**1/13/15**
	Boston NEA	**1/17/14**	**1/23/15**
	Cincinnati MC	**1/17/14**	**1/16/15**
	Denver MNS	**2/14/14**	**2/13/15**
	Fort Lauderdale	**1/17/14**	**1/16/15**
	Galveston	**2/14/14**	**2/13/15**
	Gatineau	**1/31/14**	**7/31/14**
	Harrisburg	**1/24/14**	**1/23/15**
	Port of Spain	**2/6/14**	**2/5/15**
	Puebla	**2/14/14**	**2/13/15**
	Raleigh	12/21/13	12/20/14
	Saint Augustine	**8/1/13**	**7/31/15**
	San Jose Tech	**1/11/14**	**6/30/15**
	Seattle PSC 2	**1/24/14**	**1/23/15**
	Stockholm	**2/14/14**	**2/13/15**
Kenya	Gatineau	9/27/13	3/27/14
	Lucerne	9/1/13	9/1/14
	Philadelphia FI	9/3/13	3/3/14
L&C	**Davenport Put**	**2/22/14**	**2/22/15**
	Garden City	7/1/13	6/30/14
	Toronto OSC	2/28/14	6/30/14
	Washington NMNH	1/1/13	12/31/14
LastReef	Berlin CS	7/5/13	7/5/14
	Calgary TS	5/26/12	7/6/14
	Chattanooga TA	**3/1/12**	**4/1/14**
	Chattanooga TA	3/1/13	3/1/14
	Chicago MSI	6/7/13	6/7/14
	Copenhagen	5/15/12	6/1/14
	Daqing	7/5/13	7/5/14
	Davenport Put	2/1/13	2/1/15
	Garza Garcia	12/11/13	5/11/14
	Guayaquil	4/22/13	4/22/14
	Hangzhou IC	3/1/13	3/1/14
	Hartford CSC	**3/1/13**	**9/1/14**
	Hastings	6/1/12	6/7/14
	Hong Kong SM	5/3/13	5/3/14
	Houston MNS	**6/29/12**	**6/30/14**
	Hutchinson	10/5/12	9/30/14
	Indianapolis Imx	10/4/13	10/4/14
	Las Palmas	**3/1/13**	**9/1/14**
	Louisville KSC	2/8/14	1/9/15
	Mexicali	6/30/12	7/6/14
	Parker	**3/1/13**	**4/1/14**
	Peoria RM	**2/1/14**	**10/31/14**
	Phoenix ASC	1/18/14	1/18/15
	Quebec	10/15/12	10/4/14
	Saint Augustine	**2/1/13**	**4/1/14**
	San Antonio 3D AMC	10/4/13	10/4/14
	Seoul 63	7/5/13	7/5/14
	Shanghai 3D STM	**3/1/13**	**4/1/14**
	Sioux Falls	10/1/12	10/10/14
	Stockholm	5/11/12	5/4/14
	Sudbury	5/1/13	5/1/14
	Sydney WBS	5/3/12	6/1/14
	Tallahassee CLC	1/17/14	1/17/15
	Valencia Spn	7/5/13	7/5/14
LBC	Dubai MR	12/13	2/14
LivingSe	**Beijing Dome CSTM**	**1/1/14**	**1/1/15**
	Hartberg	10/1/13	12/31/14
LOF	Eilat Epic	12/2/13	3/4/14
	La Coruna	**12/1/13**	**12/1/14**
	Las Palmas	3/15/13	3/31/14
	McMinnville	3/23/12	6/18/14
LOLL	Loch Lomond	7/24/02	
Meerkats	Denver MNS	9/3/13	6/1/14
	Edmonton TWS	12/26/13	12/31/14

Film	Theater	Open	Close
MOF	Pensacola NAM	11/8/96	
MOTM	Saint Paul SMM	6/1/13	6/1/14
MOTN	Alexandria BA	10/1/13	12/31/14
	Tampa MOSI	11/21/13	2/14/14
	Valencia Spn	**1/1/12**	**12/31/14**
MOTUW	**Albuquerque NMMMH**	**1/2/14**	**1/1/15**
	Dallas PMNS	11/1/13	10/31/14
	Davenport Put	2/1/14	2/1/15
	Denver MNS	11/1/13	10/31/14
	Houston MNS	**1/6/14**	**6/5/14**
	Kuwait SCK	**1/27/14**	**2/1/15**
	Lehi	12/20/13	12/19/14
	New York AMNH	1/1/14	6/30/14
	Orlando SC	11/1/13	11/30/14
	Pittsburgh CSC	1/2/14	1/1/15
	Portland OMSI	11/29/13	11/17/14
	Raleigh	11/1/13	10/31/14
	San Diego RHF	11/8/13	10/31/14
	Sydney WBS	**2/14/14**	**2/15/15**
Mummies	Eilat Epic	11/1/12	3/31/14
	Houston MNS	6/15/13	6/30/14
	Moscow BFC	4/9/13	4/9/14
	Portland OMSI	1/1/14	1/1/15
ND	New Delhi ICC		
Niagara	Niagara Can DCI	7/1/86	
	Niagara NY DCI	5/1/07	
Ozarks	Branson	9/93	12/14
Penguins	Beijing CFM	1/1/14	1/1/15
	Birmingham UK	11/1/13	10/31/14
	Boston NEA	5/24/13	1/1/15
	Chattanooga TA	11/29/13	5/28/14
	Columbus COSI	9/21/13	3/31/14
	Dubai MR	10/4/13	6/14/14
	Gatineau	12/20/13	12/19/14
	Kuwait SCK	**8/9/13**	**8/8/14**
	London BFI	9/6/13	9/5/14
	London SM	7/22/13	7/21/14
	Milwaukee	1/15/14	6/15/14
	New Orleans	11/1/13	6/30/14
	Omaha Zoo	8/6/13	4/25/14
	Orlando SC	9/4/13	3/13/14
	Parker	12/1/13	6/30/14
	Phoenix ASC	11/22/13	11/21/14
	Singapore DC	**9/16/13**	**3/31/14**
	Victoria DCI	2/21/14	4/21/14
	Virginia Beach AMSC	11/29/13	5/28/14
Pulse	Victoria DCI	10/1/13	6/30/14
RATW	Shanghai 3D STM	5/1/12	3/3/14
Rescue	Al Khobar	6/6/13	6/5/14
	Beijing CFM	1/14	1/15
	Corpus Christi Lex	5/1/13	6/30/14
	Davenport Put	6/24/12	2/28/14
	Dayton	3/6/13	3/31/14
	Deux Montagnes Guz	1/18/14	2/16/14
	Eilat Epic	12/7/12	3/4/14
	Greenfield Park Guz1	1/18/14	2/16/14
	Jakarta KE	4/12/13	4/12/14
	Laval Guz	1/18/14	2/16/14
	McMinnville	6/1/12	5/31/14
	Montreal Guz 1	1/18/14	2/16/14
	Oklahoma City SMO	3/8/13	3/8/14
	Phoenix ASC	11/22/13	5/29/14
	Shanghai Dome STM	6/30/13	6/30/14
	Shanghai Dome STM	1/18/14	2/16/14
	Sudbury	**10/4/12**	**4/4/14**
	Terrebonne Guz	1/18/14	2/16/14
Rheged	Penrith	7/1/00	
RME	Boston MOS	5/1/13	10/31/14
	Branson	3/8/13	2/28/14
	Columbus GA NIM	9/12	5/14
	Denver MNS	9/12	2/14
	Hague	4/2/12	4/1/14
	Houston MNS	5/24/13	3/28/14
	Pensacola NAM	1/1/13	6/30/14
	Regina	3/29/13	3/28/14
	Salt Lake City Clark	**8/22/13**	**9/4/14**
	San Diego RHF	4/1/13	3/14/14
	Shreveport	9/12	4/14
	Spokane RP	3/8/13	2/28/14
	Victoria DCI	6/28/13	5/28/14
ROF	Baltimore MSC	7/1/11	6/30/14
	Philadelphia FI	10/1/13	9/30/14
RSATM	San Diego RHF	12/26/13	3/31/14
SeaMonst	**Davenport Put**	**2/22/14**	**2/22/15**
	Edmonton TWS	12/26/13	12/31/14
SeaRex	Berlin CS II	1/1/12	7/1/14
Sharks3D	Taipei MCRC	1/1/14	12/31/14
SpacJunk	Birmingham UK	1/1/12	1/1/15
	Chicago MSI	3/1/13	2/18/14
	Chongqing STM	2/2/13	2/2/14
	Eilat Epic	12/7/12	3/4/14
	Guangzhou MoW	5/1/13	10/31/14
	Hastings	9/13/13	4/17/14
	Hastings	**9/13/13**	**6/3/14**
	Huntsville USSRC	6/18/12	4/30/14
	Kaohsiung NSTM	1/1/14	6/30/14
	London BFI	12/14/12	2/25/14
	Phoenix ASC	8/23/13	2/6/14
	Tallahassee CLC	2/10/12	3/31/14
	Victoria DCI	10/25/13	6/30/14
	West Nyack Imx	2/28/13	2/1/14
TA	Alamogordo	4/6/13	4/6/14
	Birmingham AL	1/6/14	1/6/15
	Dayton	6/12/13	6/30/14
	Detroit MSC	**3/1/13**	**4/1/14**
	Erie	**3/14/13**	**9/15/14**
	Hastings	1/15/14	6/30/15
	Huntsville USSRC	4/5/13	6/5/14
	Jersey City	**2/1/13**	**4/1/14**
	Kansas City Sci	4/5/13	10/5/14
	Louisville KSC	**2/8/14**	**1/10/15**
ToFly	Washington NASM	7/1/76	
TopSpeed	Tampa MOSI	11/21/13	2/14/14
TOTIA	Albuquerque NMMMH	8/2/13	8/2/14
	Amneville	4/1/13	4/1/14
	Atlanta FMNH	**3/1/13**	**4/1/14**
	Austin TSHM	11/1/13	11/1/14
	Baltimore MSC	2/1/14	2/1/15
	Berlin CS	9/6/13	9/6/14
	Birmingham AL	**11/5/13**	**11/5/14**
	Birmingham UK	9/24/13	12/31/14
	Bogota Mal	**3/1/13**	**4/1/14**
	Columbus COSI	**3/1/13**	**4/1/14**
	Copenhagen	12/12/13	12/12/14
	Dallas PMNS	11/15/13	11/15/14
	Davenport Put	**2/1/14**	**2/1/15**
	Denver MNS	**2/1/13**	**4/1/14**
	Erie	10/4/13	10/4/14
	Galveston	11/15/13	11/15/14
	Gatineau	**4/1/13**	**4/30/14**
	Guayaquil	4/22/13	4/22/14
	Hastings	**2/1/13**	**4/1/14**
	Hong Kong SM	9/1/13	9/1/14
	Houston MNS	1/25/13	6/30/14
	Hutchinson	3/1/13	3/1/14
	Indianapolis Imx	11/15/13	11/15/14
	Jersey City	6/7/13	6/7/14
	Kaohsiung NSTM	1/1/14	6/30/14
	Louisville KSC	**11/28/13**	**12/31/14**
	Louisville KSC	**2/8/14**	**11/28/14**
	Melbourne MV	6/7/13	6/7/14
	Montreal SC	9/6/13	9/6/14
	Moscow BFC	10/15/13	10/31/14
	Orlando SC	10/4/13	10/4/14
	Parker	10/4/13	10/4/14
	Puebla	6/7/13	6/7/14
	Quebec	9/6/13	9/6/14
	Raleigh	**2/1/13**	**8/1/14**
	Saint Louis SC	1/15/14	1/15/15
	San Diego NHM	7/5/13	7/5/14
	Seattle PSC 2	10/4/13	10/4/14
	Singapore SC	8/2/13	8/2/14
	Sioux Falls	6/1/13	6/1/14
	Stockholm	11/29/13	11/29/14
	Sydney WBS	**3/1/13**	**4/1/14**
	Tijuana	11/28/13	11/28/14
	Toyohashi	5/1/13	5/1/14
	Victoria DCI	8/30/13	8/30/14
	Washington NMNH	10/18/13	10/31/14
TTL	**Saint Paul SMM**	**1/8/14**	**2/28/14**
	Tampa MOSI	11/21/13	2/14/14
UWT3D	Eilat Epic	12/7/12	3/4/14
	Guangdong	2/1/13	2/1/14
	Nanjing YSTC	2/10/13	2/10/14
	Raleigh	2/2/11	3/31/14
	Washington NMNH	3/15/13	3/31/15
Vulcania	Vulcania	2/22/02	
WATE	Katoomba	6/1/97	
WildOcea	Eilat Epic	11/1/12	3/31/14
	Milwaukee	11/29/13	11/29/14
	Portland OMSI	1/15/14	1/15/15
WM	Jersey City	1/17/14	6/10/14
	Louisville KSC	2/8/14	12/31/14
WTP	Columbus GA NIM	10/14/13	4/21/14
	Hutchinson	2/12/14	2/11/15
	Kansas City Sci	11/8/13	5/8/14
	Saint Augustine	1/3/14	1/2/15
	Saint Augustine	1/6/14	1/5/15
WTTR3D	Dallas PMNS	5/25/13	5/25/14
	Eilat Epic	9/1/12	9/1/14
ZionCany	Zion	7/1/08	

February 2014 by Theater

Theater	Film	Open	Close
Al Khobar	Rescue	6/6/13	6/5/14
Alamogordo	TA	4/6/13	4/6/14
Albuquerque NMMMH	**MOTUW**	**1/2/14**	**1/1/15**
	TOTIA	8/2/13	8/2/14
Alexandria BA	CV	10/1/13	12/31/14
	MOTN	10/1/13	12/31/14
Amneville	TOTIA	4/1/13	4/1/14
Athens Eug	Everest	10/1/13	10/31/14
Atlanta FMNH	HidUniv	9/6/13	9/5/14
	Jerusale	1/3/14	6/30/14
	JTTSP	**1/24/14**	**1/13/15**
	TOTIA	**3/1/13**	**4/1/14**
Auckland Sky	EarthWin	2/14	2/15
Austin TSHM	GWS	8/2/13	8/2/14
	TOTIA	11/1/13	11/1/14
Baltimore MSC	ROF	7/1/11	6/30/14
	TOTIA	2/1/14	2/1/15
Baton Rouge LASM	DPTP	9/12	9/14
	DPTP	1/13	9/14
Beijing CFM	Penguins	1/1/14	1/1/15
	Rescue	1/14	1/15
Beijing Dome CSTM	**LivingSe**	**1/1/14**	**1/1/15**
Berlin CS	LastReef	7/5/13	7/5/14
	TOTIA	9/6/13	9/6/14
Berlin CS II	AirRacer	1/1/13	7/1/14
	SeaRex	1/1/12	7/1/14
Birmingham AL	GWS	8/2/13	8/2/14
	TA	1/6/14	1/6/15
	TOTIA	**11/5/13**	**11/5/14**
Birmingham UK	GWS	9/24/13	12/31/14
	Penguins	11/1/13	10/31/14
	SpacJunk	1/1/12	1/1/15
	TOTIA	9/24/13	12/31/14
Bogota Mal	**TOTIA**	**3/1/13**	**4/1/14**
Boston MOS	HumanBod	11/16/13	11/15/14
	Jerusale	9/20/13	9/19/14
	RME	5/1/13	10/31/14
Boston NEA	GWS	5/31/13	5/31/14
	JTTSP	**1/17/14**	**1/23/15**
	Penguins	5/24/13	1/1/15
Branson	GC	10/15/13	5/15/14
	Ozarks	9/93	12/14
	RME	3/8/13	2/28/14
Calgary TS	LastReef	5/26/12	7/6/14
Cathedral City	EarthWin	1/1/14	
Chantilly	FightPil	12/10/04	7/14
	HidUniv	1/30/14	
Charlotte DP	Jerusale	9/21/13	3/30/14
Chattanooga TA	GWS	5/24/13	5/24/14
	LastReef	**3/1/12**	**4/1/14**
	LastReef	3/1/13	3/1/14
	Penguins	11/29/13	5/28/14
Chicago Imx	GWS	10/4/13	10/4/14
Chicago MSI	FOTB	2/28/14	8/31/14
	LastReef	6/7/13	6/7/14
	SpacJunk	3/1/13	2/18/14
Chongqing STM	SpacJunk	2/2/13	2/2/14
Cincinnati MC	**JTTSP**	**1/17/14**	**1/16/15**
Cleveland	FOTB	11/27/13	11/26/14
	HidUniv	6/28/13	6/27/14
Columbus COSI	Penguins	9/21/13	3/31/14
	TOTIA	**3/1/13**	**4/1/14**
Columbus GA NIM	Jerusale	10/18/13	10/17/14
	RME	9/12	5/14
	WTP	10/14/13	4/21/14
Copenhagen	Dragons	9/1/13	8/31/14
	Galapa3D	2/8/14	2/7/15
	HidUniv	6/28/13	6/27/14
	LastReef	5/15/12	6/1/14
	TOTIA	12/12/13	12/12/14
Corpus Christi Lex	FightPil	5/12/12	7/14
	Rescue	5/1/13	6/30/14
Dallas PMNS	MOTUW	11/1/13	10/31/14
	TOTIA	11/15/13	11/15/14
	WTTR3D	5/25/13	5/25/14
Daqing	LastReef	7/5/13	7/5/14
Davenport Put	**Alps**	**2/22/14**	**2/22/15**
	FON	5/7/13	5/6/14
	FOTB	2/15/13	8/10/14
	Jerusale	11/8/13	10/31/14
	L&C	**2/22/14**	**2/22/15**

Theater	Film	Open	Close
	LastReef	2/1/13	2/1/15
	MOTUW	2/1/14	2/1/15
	Rescue	6/24/12	2/28/14
	SeaMonst	**2/22/14**	**2/22/15**
	TOTIA	**2/1/14**	**2/1/15**
Dayton	DinoAliv	6/12/13	6/30/14
	FightPil	3/1/13	6/30/14
	Rescue	3/6/13	3/31/14
	TA	6/12/13	6/30/14
Dearborn THF	FOTB	2/18/13	2/17/14
	Jerusale	2/8/14	2/7/15
Denver MNS	GWS	6/21/13	6/21/14
	Jerusale	2/14/14	2/13/15
	JTTSP	**2/14/14**	**2/13/15**
	Meerkats	9/3/13	6/1/14
	MOTUW	11/1/13	10/31/14
	RME	9/12	2/14
	TOTIA	**2/1/13**	**4/1/14**
Des Moines	FOTB	7/1/13	6/30/14
Detroit MSC	FOTB	1/11/14	7/31/14
	TA	**3/1/13**	**4/1/14**
Deux Montagnes Guz	Rescue	1/18/14	2/16/14
Dubai MR	LBC	12/13	2/14
	Penguins	10/4/13	6/14/14
Ede	GCA	7/19/12	7/18/14
Edmonton TWS	FlyMons	12/26/13	12/12/14
	FON	12/26/13	12/31/14
	Jerusale	12/26/13	12/31/14
	Meerkats	12/26/13	12/31/14
	SeaMonst	12/26/13	12/31/14
Eilat Epic	DinoAliv	11/1/12	3/31/14
	LOF	12/2/13	3/4/14
	Mummies	11/1/12	3/31/14
	Rescue	12/7/12	3/4/14
	SpacJunk	12/7/12	3/4/14
	UWT3D	12/7/12	3/4/14
	WildOcea	11/1/12	3/31/14
	WTTR3D	9/1/12	9/1/14
Erie	FlyMons	7/13/13	7/12/14
	TA	**3/14/13**	**9/15/14**
	TOTIA	10/4/13	10/4/14
Fort Lauderdale	FOTB	2/8/13	2/7/14
	JTTSP	**1/17/14**	**1/16/15**
Fort Worth	FlyMons	2/14/14	8/31/14
Galveston	FOTB	3/11/13	3/10/14
	JTTSP	**2/14/14**	**2/13/15**
	TOTIA	11/15/13	11/15/14
Garden City	Jerusale	9/28/13	9/27/14
	L&C	7/1/13	6/30/14
Garza Garcia	FOTB	9/12/13	3/19/14
	LastReef	12/11/13	5/11/14
Gatineau	FlyMons	5/6/13	5/5/14
	GCA	5/1/13	3/30/14
	Jerusale	9/27/13	9/26/14
	JTTSP	**1/31/14**	**7/31/14**
	Kenya	9/27/13	3/27/14
	Penguins	12/20/13	12/19/14
	TOTIA	**4/1/13**	**4/30/14**
Grand Canyon DCI	GC	11/1/99	12/14
Grand Rapids Cel	Jerusale	10/18/13	12/31/14
Greenfield Park Guz1	Rescue	1/18/14	2/16/14
Guangdong	UWT3D	2/1/13	2/1/14
Guangzhou MoW	FOTB	9/15/12	9/14/14
	SpacJunk	5/1/13	10/31/14
Guayaquil	FlyMons	4/22/13	4/21/14
	LastReef	4/22/13	4/22/14
	TOTIA	4/22/13	4/22/14
Hague	FOTB	4/23/13	4/22/14
	RME	4/2/12	4/1/14
Hampton VASC	FOTB	3/29/13	3/28/14
	HidUniv	10/12/13	10/11/14
Hangzhou IC	LastReef	3/1/13	3/1/14
Harrisburg	DinoAliv	5/17/13	7/31/14
	FOTB	2/1/13	2/1/14
	JTTSP	**1/24/14**	**1/23/15**
Hartberg	Amazon	10/1/13	12/31/14
	Bears	3/1/13	3/1/14
	CRA	10/1/13	12/31/14
	DIA	10/1/13	12/31/14
	Everest	10/1/13	12/31/14
	LivingSe	10/1/13	12/31/14
Hartford CSC	FOTB	9/21/13	6/30/14
	LastReef	**3/1/13**	**9/1/14**
Hastings	Jerusale	11/7/13	11/6/14
	LastReef	6/1/12	6/7/14
	SpacJunk	9/13/13	4/17/14
	SpacJunk	**9/13/13**	**6/3/14**
	TA	1/15/14	6/30/15
	TOTIA	**2/1/13**	**4/1/14**
Hong Kong SM	LastReef	5/3/13	5/3/14
	TOTIA	9/1/13	9/1/14
Houston MNS	Galapa3D	2/15/14	12/31/14
	GWS	8/2/13	8/2/14
	Jerusale	10/4/13	10/1/14
	LastReef	**6/29/12**	**6/30/14**
	MOTUW	**1/6/14**	**6/5/14**
	Mummies	6/15/13	6/30/14
	RME	5/24/13	3/28/14
	TOTIA	1/25/13	6/30/14
Huntsville USSRC	**FightPil**	**7/1/13**	**7/1/15**
	HidUniv	7/1/13	6/30/14
	SpacJunk	6/18/12	4/30/14
	TA	4/5/13	6/5/14
Hutchinson	HidUniv	6/28/13	6/27/14
	Jerusale	9/20/13	9/1/14
	LastReef	10/5/12	9/30/14
	TOTIA	3/1/13	3/1/14
	WTP	2/12/14	2/11/15
Indianapolis Imx	GWS	5/24/13	5/24/14
	LastReef	10/4/13	10/4/14
	TOTIA	11/15/13	11/15/14
Jakarta KE	Rescue	4/12/13	4/12/14
Jersey City	DPTP	10/13	4/14
	GWS	10/4/13	10/4/14
	TA	**2/1/13**	**4/1/14**
	TOTIA	6/7/13	6/7/14
	WM	1/17/14	6/10/14
Kagawa	DPTP	5/13	5/14
Kansas City Sci	TA	4/5/13	10/5/14
	WTP	11/8/13	5/8/14
Kaohsiung NSTM	SpacJunk	1/1/14	6/30/14
	TOTIA	1/1/14	6/30/14
Katoomba	WATE	6/1/97	
Katowice CC	AfricAdv	10/4/13	10/3/14
Killeen	DPTP	5/12	5/14
	DPTP	1/13	12/14
Kolkata SC	**Greece**	**1/15/14**	**1/14/15**
Koriyama	DPTP	11/13	11/14
Krakow CC	AfricAdv	10/4/13	10/3/14
Kuwait SCK	Animalop	9/6/13	9/6/14
	GWS	10/15/13	10/15/14
	MOTUW	**1/27/14**	**2/1/15**
	Penguins	**8/9/13**	**8/8/14**
La Coruna	**LOF**	**12/1/13**	**12/1/14**
Las Palmas	**LastReef**	**3/1/13**	**9/1/14**
	LOF	3/15/13	3/31/14
Laval Guz	Rescue	1/18/14	2/16/14
Lehi	GWS	9/6/13	9/3/14
	Jerusale	10/18/13	10/17/14
	MOTUW	12/20/13	12/19/14
Leon Exp	Dragons	1/10/14	2/10/14
	FOTB	12/1/13	6/30/14
Loch Lomond	LOLL	7/24/02	
Lodz CC	AfricAdv	10/4/13	10/3/14
London BFI	Jerusale	1/1/14	12/31/14
	Penguins	9/6/13	9/5/14
	SpacJunk	12/14/12	2/25/14
London SM	FOTB	9/6/13	6/30/14
	HidUniv	10/18/13	4/17/14
	Penguins	7/22/13	7/21/14
Los Angeles CSC	FOTB	9/27/13	2/28/14
Louisville KSC	LastReef	2/8/14	1/9/15
	TA	**2/8/14**	**1/10/15**
	TOTIA	**11/28/13**	**12/31/14**
	TOTIA	**2/8/14**	**11/28/14**
	WM	2/8/14	12/31/14
Lubbock SS	DPTP	1/14	12/14
	GWS	7/5/13	7/5/14
	Jerusale	10/11/13	9/30/14
Lucerne	Kenya	9/1/13	9/1/14
McMinnville	FightPil	3/23/12	7/1/14
	HidUniv	6/28/13	6/27/14
	Jerusale	9/27/13	9/26/14
	LOF	3/23/12	6/18/14
	Rescue	6/1/12	5/31/14
Melbourne HCL	HidUniv	9/1/13	8/31/14
Melbourne MV	EarthWin	8/29/13	8/28/14
	FOTB	3/21/13	3/20/14
	GWS	12/31/13	12/31/14
	TOTIA	6/7/13	6/7/14
Memphis Pink	GWS	6/22/13	6/22/14
Mexicali	LastReef	6/30/12	7/6/14
Mexico City Pap	DinoAliv	12/21/13	6/30/14
	GWS	7/5/13	7/5/14
Milwaukee	Penguins	1/15/14	6/15/14
	WildOcea	11/29/13	11/29/14
Mobile	FOTB	1/14/14	5/4/14
Montreal Guz 1	Rescue	1/18/14	2/16/14
Montreal SC	Galapa3D	2/10/14	2/9/15
	GWS	5/29/13	5/29/14
	TOTIA	9/6/13	9/6/14
Moscow BFC	DinoAliv	4/9/13	4/9/14
	Mummies	4/9/13	4/9/14
	TOTIA	10/15/13	10/31/14
Nanjing YSTC	UWT3D	2/10/13	2/10/14
New Delhi ICC	ND		
New Orleans	GWS	5/24/13	5/24/14
	HaunCast	9/15/13	11/15/14
	Penguins	11/1/13	6/30/14
New York AMNH	MOTUW	1/1/14	6/30/14
Niagara Can DCI	Niagara	7/1/86	
Niagara NY DCI	Niagara	5/1/07	
Norwalk	GWS	10/4/13	10/4/14
Oklahoma City SMO	Rescue	3/8/13	3/8/14
Omaha Zoo	**DinoAliv**	**3/1/13**	**4/1/14**
	Penguins	8/6/13	4/25/14
Orlando SC	FlyMons	7/1/13	6/30/14
	MOTUW	11/1/13	11/30/14
	Penguins	9/4/13	3/13/14
	TOTIA	10/4/13	10/4/14
Paris Geo	Dragons	7/9/13	7/8/14
	Jerusale	10/15/13	10/14/14
Parker	GWS	11/30/13	5/31/14
	LastReef	**3/1/13**	**4/1/14**
	Penguins	12/1/13	6/30/14
	TOTIA	10/4/13	10/4/14
Penrith	Dragons	7/1/13	6/30/14
	EarthWin	6/25/13	6/24/14
	FOTB	7/1/13	6/30/14
	Rheged	7/1/00	
Pensacola NAM	FightPil	6/8/11	7/14
	MOF	11/8/96	
	RME	1/1/13	6/30/14
Peoria RM	GCA	8/16/13	8/15/14
Philadelphia FI	Kenya	9/3/13	3/3/14
	ROF	10/1/13	9/30/14
Phoenix ASC	LastReef	1/18/14	1/18/15
	Penguins	11/22/13	11/21/14
	Rescue	11/22/13	5/29/14
	SpacJunk	8/23/13	2/6/14
Pittsburgh CSC	Animalop	1/1/10	3/15/14
	FON	6/1/13	12/31/14
	MOTUW	1/2/14	1/1/15
Port of Spain	**JTTSP**	**2/6/14**	**2/5/15**
Portland OMSI	MOTUW	11/29/13	11/17/14
	Mummies	1/1/14	1/1/15
	WildOcea	1/15/14	1/15/15
Portland OMSI I	GWS	11/29/13	11/29/14
Poznan CC	AfricAdv	10/4/13	10/3/14
Puebla	**JTTSP**	**2/14/14**	**2/13/15**
	TOTIA	6/7/13	6/7/14
Quebec	Dragons	6/13/13	5/15/14
	LastReef	10/15/12	10/4/14
	TOTIA	9/6/13	9/6/14
Raleigh	Jerusale	2/21/14	2/20/15
	JTTSP	12/21/13	12/20/14
	MOTUW	11/1/13	10/31/14
	TOTIA	**2/1/13**	**8/1/14**
	UWT3D	2/2/11	3/31/14
Regina	RME	3/29/13	3/28/14
Richmond SMV	FOTB	5/1/13	4/30/14
Sacramento Imx	FOTB	8/13/13	2/28/14
Saint Augustine	GWS	8/9/13	8/9/14
	Jerusale	2/28/14	2/27/15
	JTTSP	**8/1/13**	**7/31/15**
	LastReef	**2/1/13**	**4/1/14**
	WTP	1/3/14	1/2/15
	WTP	1/6/14	1/5/15
Saint Félicien	GreatNor	4/1/13	4/1/14
Saint Louis SC	Jerusale	10/4/13	9/27/14
	TOTIA	1/15/14	1/15/15
Saint Paul SMM	GWS	1/9/14	2/28/14
	MOTM	6/1/13	6/1/14
	TTL	**1/8/14**	**2/28/14**
Saitama SSH	DPTP	6/13	6/14
	FOTB	2/18/13	2/17/14
Salt Lake City Clark	**Dragons**	**6/22/13**	**4/3/14**
	FOTB	**2/8/13**	**7/7/14**
	Hubble3D	**3/19/10**	**7/17/14**
	Jerusale	**11/22/13**	**9/4/14**
	RME	**8/22/13**	**9/4/14**
San Antonio 2D AMC	**Alamo**		
San Antonio 3D AMC	LastReef	10/4/13	10/4/14
San Diego NHM	TOTIA	7/5/13	7/5/14
San Diego RHF	AIWC	1/14	3/14
	CM	1/1/14	3/31/14
	CRA	1/14	3/14
	DS3D	11/13	10/14
	MOTUW	11/8/13	10/31/14
	RME	4/1/13	3/14/14
	RSATM	12/26/13	3/31/14
San Jose Tech	FOTB	2/9/13	2/8/14
	HidUniv	9/7/13	9/6/14
	JTTSP	**1/11/14**	**6/30/15**
San Simeon DCI	HCBTD	8/17/96	
Seattle PSC 2	FightPil	6/14/13	6/14/14
	HidUniv	**1/10/14**	**1/9/15**
	Jerusale	9/27/13	9/26/14
	JTTSP	**1/24/14**	**1/23/15**
	TOTIA	10/4/13	10/4/14
Seoul 63	LastReef	7/5/13	7/5/14
Shanghai 3D STM	**LastReef**	**3/1/13**	**4/1/14**
	RATW	5/1/12	3/3/14
Shanghai Dome STM	Rescue	6/30/13	6/30/14
	Rescue	1/18/14	2/16/14
Shreveport	HumanBod	9/1/13	8/28/14
	RME	9/12	4/14
Singapore DC	**Penguins**	**9/16/13**	**3/31/14**
Singapore SC	TOTIA	8/2/13	8/2/14
Sioux Falls	GWS	9/1/13	9/1/14
	LastReef	10/1/12	10/10/14
	TOTIA	6/1/13	6/1/14
Speyer Dome	Jerusale	12/12/13	12/11/14
Spokane RP	Closed	9/3/13	3/1/14
	RME	3/8/13	2/28/14
Stockholm	FlyMons	5/19/13	12/31/14
	FOTB	4/26/13	4/14/14
	HidUniv	9/15/13	9/14/14
	HumanBod	1/1/12	12/31/14
	JTTSP	**2/14/14**	**2/13/15**
	LastReef	5/11/12	5/4/14
	TOTIA	11/29/13	11/29/14
Sudbury	Dragons	2/1/14	2/28/14
	LastReef	5/1/13	5/1/14
	Rescue	**10/4/12**	**4/4/14**
Sydney WBS	DinoAliv	12/30/13	12/30/14
	GWS	12/30/13	12/30/14
	HidUniv	9/1/13	8/31/14
	Jerusale	2/1/14	1/31/15
	LastReef	5/3/12	6/1/14
	MOTUW	**2/14/14**	**2/15/15**
	TOTIA	**3/1/13**	**4/1/14**
Taichung NMNS	FlyMons	7/1/13	6/30/14
Taipei AM	DPTP	9/13	9/14
Taipei MCRC	Sharks3D	1/1/14	12/31/14
Tallahassee CLC	GWS	6/15/13	6/15/14
	HidUniv	**2/14/14**	**2/13/15**
	LastReef	1/17/14	1/17/15
	SpacJunk	2/10/12	3/31/14
Tampa MOSI	CRA	11/21/13	2/14/14

Theater	Film	Open	Close
	DinoAliv	2/7/14	2/4/15
	Everest	11/21/13	2/14/14
	FOTB	2/8/13	2/7/14
	GWS	5/24/13	5/24/14
	HidUniv	10/25/13	10/24/14
	MOTN	11/21/13	2/14/14
	TopSpeed	11/21/13	2/14/14
	TTL	11/21/13	2/14/14
Terrebonne Guz	Rescue	1/18/14	2/16/14
Tijuana	TOTIA	11/28/13	11/28/14
Toronto OSC	FOTB	4/8/13	4/11/14
	GWS	10/4/13	10/4/14
	HumanBod	12/1/13	6/30/14
	L&C	2/28/14	6/30/14
Toulouse CDE	**HidUniv**	**2/1/14**	**1/31/15**
Toyohashi	TOTIA	5/1/13	5/1/14
Valencia Spn	LastReef	7/5/13	7/5/14
	MOTN	**1/1/12**	**12/31/14**
Victoria DCI	GWS	1/14/14	1/14/15
	HidUniv	10/25/13	10/24/14
	Penguins	2/21/14	4/21/14
	Pulse	10/1/13	6/30/14
	RME	6/28/13	5/28/14
	SpacJunk	10/25/13	6/30/14
	TOTIA	8/30/13	8/30/14
Virginia Beach AMSC	Penguins	11/29/13	5/28/14
Vulcania	Vulcania	2/22/02	
Warsaw CC	AfricAdv	10/4/13	10/3/14
Washington NASM	HidUniv	1/30/14	
	ToFly	7/1/76	
Washington NMNH	FlyMons	5/25/12	5/14
	L&C	1/1/13	12/31/14
	TOTIA	10/18/13	10/31/14
	UWT3D	3/15/13	3/31/15
West Nyack AMC	Jerusale	9/23/13	
West Nyack Imx	SpacJunk	2/28/13	2/1/14
Zion	ZionCany	7/1/08	

Key to Film Abbreviations

Film	Title	Year		Dist
AfricAdv	African Adventure 3D	2007	3D	nWP
AirRacer	Air Racers 3D: Forces of Flight	2012	3D	3DED
AIWC	Adventures in Wild California	2000		MFF
Alamo	Alamo: The Price of Freedom	1988		MFF
Alps	Alps: Giants of Nature, The	2007		NGD
Amazon	Amazon	1997		MFF
Animalop	Animalopolis	2008	3D	K2
Bears	Bears	2001		PCI
CM	Country Music: The Spirit of America	2003		GSF
CRA	Coral Reef Adventure	2003		MFF
CV	Cosmic Voyage	1996		IMAX
DIA	Dream is Alive, The	1985		IMAX
DinoAliv	Dinosaurs Alive	2007	3D	GSF
DPTP	Dinosaur Passage to Pangaea	2011	3D	CGI
Dragons	Dragons: Real Myths and Unreal Creatures	2013	3D	B&D
DS3D	Deep Sea 3D	2006	3D	IMAX
EarthWin	Earth Wins, The	2013		HFL
Everest	Everest	1998		MFF
FightPil	Fighter Pilot: Operation Red Flag	2004	3D	K2
FlyMons	Flying Monsters 3D	2011	3D	NGD
FON	Forces of Nature	2004		NGD
FOTB	Flight of the Butterflies	2012	3D	SKF
Galapa3D	Galapagos 3D	2014	3D	nWP
GC	Grand Canyon: The Hidden Secrets	1985		NGD
GCA	Grand Canyon Adventure: River at Risk 3D	2008	3D	MFF
GreatNor	Great North	2000		BFI
Greece	Greece: Secrets of the Past	2006		MFF
GWS	Great White Shark	2013	3D	GSF
HaunCast	Haunted Castle	2001	3D	nWP
HCBTD	Hearst Castle: Building the Dream	1996		NGD
HidUniv	Hidden Universe 3D	2013	3D	MFF
Hubble3D	Hubble 3D	2010	3D	IMAX
HumanBod	Human Body, The	2001		NGD
Jerusale	Jerusalem 3D	2013	3D	NGD
JTTSP	Journey to the South Pacific	2013	3D	MFF
Kenya	Kenya 3D: Animal Kingdom	2013	3D	3DED
L&C	Lewis & Clark: Great Journey West	2002		NGD
LastReef	Last Reef, The	2012	3D	GSF
LBC	Light Before Christmas, The	2008		CGI
LivingSe	Living Sea, The	1994		MFF
LOF	Legends of Flight	2010	3D	K2
LOLL	Legend of Loch Lomond, The	2002		SKF
Meerkats	Meerkats 3D	2012	3D	NGD
MOF	Magic of Flight, The	1997		MFF
MOTM	Mystery of the Maya	1995		BFI
MOTN	Mystery of the Nile	2005		MFF
MOTUW	Mysteries of the Unseen World	2013	3D	NGD
Mummies	Mummies: Secrets of the Pharaohs	2007		GSF
ND	Neelkanth Darshan	2005		unk
Niagara	Niagara: Miracles, Myths, and Magic	1987		NGD
Ozarks	Ozarks: Legacy and Legend (aka Fiddle)	1993		IMAX
Penguins	Penguins 3D	2013	3D	nWP
Pulse	Pulse: A Stomp Odyssey	2002		GSF
RATW	Ride Around the World	2006		GSF
Rescue	Rescue 3D	2011	3D	K2
Rheged	Rheged: The Lost Kingdom	2000		unk
RME	Rocky Mountain Express	2011		SLC
ROF	Ring of Fire	1991		MFF
RSATM	Rolling Stones: At the Max	1991		IMAX
SeaMonst	Sea Monsters: A Prehistoric Adventure	2007		NGD
SeaRex	Sea Rex: Journey to a Prehistoric World	2010	3D	3DED
Sharks3D	Sharks 3D	2004	3D	3DED
SpacJunk	Space Junk	2012	3D	K2
TA	Tornado Alley	2011	3D	GSF
ToFly	To Fly!	1976		MFF
TopSpeed	Top Speed	2003		MFF
TOTIA	Titans of the Ice Age	2013	3D	GSF
TTL	To The Limit	1989		MFF
UWT3D	Ultimate Wave Tahiti 3D, The	2010	3D	K2
Vulcania	Vulcania	2002		unk
WATE	Wild Australia: The Edge	1997		MSI
WildOcea	Wild Ocean	2008	3D	GSF
WM	Watermelon Magic	2013	3D	B&D
WTP	We the People	2013		ISP
WTTR3D	Waking the T-Rex: The Story of Sue 3D	2010	3D	GSF
ZionCany	Zion Canyon (aka TOTG)	1994		K2

February 2014 Bookings Count

#	Film	#	Film	#	Film	#	Film
46	TOTIA	5	WTP	2	SeaMonst	1	LBC
34	LastReef	4	EarthWin	2	TTL	1	LOLL
29	GWS	4	HumanBod	2	WM	1	MOF
28	FOTB	4	L&C	2	WTTR3D	1	MOTM
27	Jerusale	4	LOF	1	AirRacer	1	ND
19	HidUniv	4	Mummies	1	AIWC	1	Ozarks
19	Penguins	3	CRA	1	Alamo	1	Pulse
18	Rescue	3	Everest	1	Alps	1	RATW
15	JTTSP	3	FON	1	Amazon	1	Rheged
14	MOTUW	3	Galapa3D	1	Bears	1	RSATM
14	SpacJunk	3	GCA	1	Closed	1	SeaRex
13	RME	3	Kenya	1	CM	1	Sharks3D
10	DPTP	3	MOTN	1	CV	1	ToFly
10	TA	3	WildOcea	1	DIA	1	TopSpeed
9	FlyMons	2	Animalop	1	DS3D	1	Vulcania
8	DinoAliv	2	GC	1	GreatNor	1	WATE
7	Dragons	2	LivingSe	1	Greece	1	ZionCany
7	FightPil	2	Meerkats	1	HaunCast		
5	AfricAdv	2	Niagara	1	HCBTD		
5	UWT3D	2	ROF	1	Hubble3D		

Directory of Organizations Mentioned in this Issue of LF Examiner

Distributors' abbreviations are listed in **bold.**

3 Arts Entertainment
9460 Wilshire Blvd, 7th Fl
Beverly Hills, CA 90212 USA
Tel: 310 888 3200

3D Entertainment Distribution Ltd. **3DED**
Ibex House 61-65 Baker Street
Weybridge, Surrey KT13 8AH UNITED KINGDOM
Tel: +44 20-7681-2357
Fax: +44 20-7681-2357
www.3DEfilms.com

3D Entertainment Films Ltd.
Ibex House 61-65 Baker Street
Weybridge, Surrey KT13 8AH UNITED KINGDOM
Tel: +44 20-7681-2357
Fax: +44 20-7681-2357
www.3DEfilms.com

Academy of Motion Picture Arts and Sciences
Margaret Herrick Library
8949 Wilshire Boulevard
Beverly Hills, CA 90211-1972 USA
Tel: 310-247-3000
www.oscars.org

Atlantic Productions
Brook Green House
4 Rowan Road, Hammersmith
London, W6 7DU UNITED KINGDOM
Tel: +44 20 8735 9300
Fax: +44 20 8735 9333
www.atlanticproductions.co.uk

BBC Worldwide
Media Centre, 201 Wood Lane
London, W12 7TQ UNITED KINGDOM
http://bbcearth.com/

Bengbu Wanda & IMAX
4th Fl., No. 4399 Donghai St.
Bengshan District
Bengbu, 230000 CHINA
Tel: +86-552-3138666
www.wandafilm.com/

BIG & Digital **B&D**
2900 Sunridge Heights Pkwy., #1218
Henderson, NV 89052 USA
Tel: 502-212-1559
http://biganddigital.com/

Big Films, Inc. **BFI**
1066 Boucher Crescent
Manotick, ON K4M 1B3 CANADA
Tel: 613-692-9856
Fax: 613-692-9857
www.bigfilms.ca

Bob Bullock Texas State History Museum
1800 N Congress Avenue
Austin, TX 78701 USA
Tel: 512-936-4600
Fax: 512-475-3366
www.thestoryoftexas.com/

BTM Consulting, LLC
12 Rossman Ave.
Hudson, NY 12534 USA

CGV Changsha & IMAX
Changsha, CHINA
www.cgv.co.kr/

CGV Ningbo Cultural Square & IMAX
4th Fl, Cultural Sq
1888 Ningchuan Road Jiangdong District
Ningbo, Zhejiang Prov. 315040 CHINA
Tel: +86-574-87033588
www.cgv.co.kr/

CGV Shenyang Richgate IMAX
4th Fl., NO.168 Harbin St
Shenhe Dist.
Shenyang, 110000 CHINA
www.cgv.co.kr/

Chabot Space and Science Center
10000 Skyline Boulevard
Oakland, CA 94619-2446 USA
Tel: 510-336-7300
Fax: 510-336-7491
www.chabotspace.org/

Changchun Kuancheng Wanda & IMAX
No.3366 N. Renmin St.
Kuangcheng District
Changchun, 130000 CHINA
www.wandafilm.com/

Changsha Kaifu Wanda & IMAX
5th/6th Fl, Entertainment Bldg
Wanda Plaza, Mid Xiangjiang Rd
Changsha, 410000 CHINA
Tel: +86-731 88955988
www.wandafilm.com/

Chengdu Bravo Shuangliu & IMAX
No.177, Baiyun Street
Shuangliu Town
Chengdu, 610299 CHINA

Chengdu CGV & IMAX
4th Fl., No.183
Jiaoda District, Jinniu District
Chengdu, 610000 CHINA
Tel: +86-28-69185281
www.cgv.co.kr/

Chengdu Huanqiu Stellar & IMAX
4th Fl, Huanqiu Mall
No.1700 North Tianfu Rd
Chengdu, 610017 CHINA

Chengdu Lumiere & IMAX
5th Fl, No. 21 Rongbei Business St
Jinnui Dist.
Chengdu, 610000 CHINA
Tel: +86-28-85053141
www.lumiai.com/

Chengdu UA IFC & IMAX
6th fl, NO. 1 Hongxing Rd
Jinjiang Dist
Chengdu, Sichuan Prov. 610021 CHINA
www.uacinemas.com/cn

Chenzhou Wanda & IMAX
5th Fl., Shengyuan Times Plaza
Bayi Road
Chenzhou, 423000 CHINA
www.wandafilm.com/

China Film Group
25 Xin Wai Street
Beijing, 100088 CHINA
Tel: +86 010 6225 4488
Fax: +86-10-6225-1044

Christie, Inc.
10550 Camden Drive
Cypress, CA 90630 USA
Tel: 714-236-8610
Fax: 714-229-7128
www.christiedigital.com

Cine Grand Century & IMAX
Level 4, Grand Century Place
193 Prince Edward Road West, Monkok Kowloon
Hong Kong, 3104 1721 CHINA

Cinema Development Company
3363 Enterprise Avenue
Hayward, CA 94545 USA
Tel: 510-783-7028
Fax: 510-783-7029
www.cinemadevelopmentcompany.com

Cinema Group, Inc. **CGI**
464 S. Ranch Drive
Alpine, UT 84004 USA
Tel: 801-772-0860

Cinemark Holdings, Inc.
3900 Dallas Parkway South, Suite 500
Plano, TX 75093 USA
Tel: 972-665-1000
www.cinemark.com

CinemaxX Entertainment GmbH & Co. KG
Friedrich-Ebert-Damm 111
Hamburg, 22047 GERMANY
Fax: +49 40 / 450 68 201
www.cinemaxx.de

Cinerama Theater
2100 4th Avenue
Seattle, WA 98121 USA
Tel: 206-448-6680
http://cinerama.com/

Columbia Pictures **COL**
10202 W. Washington Blvd.
Culver City, CA 90232 USA
www.sonypictures.com/

Dalian Gaoxin Wanda & IMAX
No.500, Huangpu Rd
Gaoxin District
Dalian, 116021 CHINA
Tel: +86-411-39983999
www.wandafilm.com/

Dandong Wanda & IMAX
4th Floor, No.298 Jinshan Street
Zhenxin District
Dandong, 118001 CHINA
Tel: +86-415-3865555
www.wandafilm.com/

Daqing Omnijoi & IMAX
5th floor, No.3, Zhongyuan Rd.
Ranghulu District
Daqing, 163458 CHINA
Tel: +86-459-5989979

Denver Museum of Nature and Science
2001 Colorado Boulevard
Denver, CO 80205-5732 USA
Tel: 303-322-7009
Fax: 303-370-6044
www.dmns.org/

Destination Cinema, Inc.
4155 Harrison Boulevard, Ste 210
Ogden, UT 84403 USA
Tel: 801-392-2001
Fax: 801-392-6703
www.destinationcinema.com

Di Bonaventura Pictures
5555 Melrose Ave
DeMille Bldg, 2nd Fl
Los Angeles, CA 90038 USA
Tel: 323 956 5454
Fax: 323 862 2288

Dolby Laboratories
100 Potrero Ave
San Francisco, CA 94103-4813 USA
Tel: 415-558-0200
Fax: 415-863-1373
www.dolby.com

Dongguan Changan Wanda IMAX
No.1 Middle of Dongmen Rd.
Changhan Dist.
Dongguan, 523000 CHINA
Tel: +86-76981625588
www.wandafilm.com/

EarthShip Productions
3806 Cross Creek Rd, Ste D
Malibu, CA 90265 USA
Tel: 310-317-9477
Fax: 310-317-9158

Electrosonic Systems, Inc.
3320 San Fernando Boulevard
Burbank, CA 91504 USA
Tel: 818-566-3045
Fax: 818-566-7763
http://electrosonic.com

Empire Leicester Square IMAX
5-6 Leicester Square
London, WC2H 7NA UNITED KINGDOM
Tel: +44-8 714 714 714
www.empirecinemas.co.uk/

Euromax
PO Box 61667
Hague, NL-2506 JK NETHERLANDS
Tel: +31-70-4168216
Fax: +31-70-3524280
www.euromax.org

Evans & Sutherland
770 Komas Drive
Salt Lake City, UT 84108-1229 USA
Tel: 801-588-1000
Fax: 801-588-4500
www.es.com

Fiske Planetarium
2414 Regent Dr.
Boulder, CO 80309 USA
Tel: 303-492-5002
http://fiske.colorado.edu/beta/

Foshan Jinyi & IMAX
3rd fl, Perennial Plaza, No. 45 North Guilan Rd
Guicheng Street
Foshan, 528200 CHINA
Tel: +86-757 85132211

FotoKem Industries, Inc.
2801 W. Alameda Ave.
Burbank, CA 91505-4582 USA
Tel: 818-846-3101
Fax: 818-841-2130
www.fotokem.com

Fushun Wanda & IMAX
4th Fl., No.56 Hunhe South Street
Xinfu District
Fushun, 113008 CHINA
Tel: +86-24-52435678
www.wandafilm.com/

GDC Technology of America
1016 West Magnolia Boulevard
Burbank, CA 91506 USA
Tel: 818 972 4370
Fax: 877 643 2872
www.gdc-tech.com

Giant Screen Cinema Association
624 Holly Springs Road Suite 243
Holly Springs, NC 27540 USA
Tel: 919-346-1123
www.giantscreencinema.com

Giant Screen Films **GSF**
990 Grove St., Suite 200
Evanston, IL 60201 USA
Tel: 847-475-9140
Fax: 847-475-9145
www.gsfilms.com

Goto Optical Manufacturing Co.
4-16 Yazaki-cho
Fuchu-shi
Tokyo, 183-8530 JAPAN
Tel: +81-423-62 5311
Fax: +81-423-61 9571

Guangxi Yongheng Winhand Jingzuan & IMAX
2nd/5th Fl, Landmark Hotel
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Nanning, 530000 CHINA
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Guangzhou Fanyang & IMAX
5th Fl, Huilong Plaza
No. 203 East Qinghe Rd, Panyu District
Guangzhou, 511400 CHINA

Guangzhou Wanda & IMAX
3F, No.503, Yuncheng East Road
Wanda Plaza, Baiyun District
Guangzhou, 510420 CHINA
Tel: +86-20-36689666
www.wandafilm.com/

Guiyang Stellar International Cinema & IMAX
Shop.GF-31, Area.G
Huaguoyuan Shopping Mall, Nanming District
Guiyang, 550001 CHINA

Guiyang Wanda & IMAX
Zhongda Plaza
No.187 Guiwu North Rd., Dayingpo, Yunyan District
Guiyang, 550001 CHINA
www.wandafilm.com/

Gulf Coast Exploreum Science Center
65 Government Street
PO Box 1968
Mobile, AL 36602 USA
Tel: 251-208-6883
Fax: 251-208-6889
www.exploreum.net

Haikou Zose & IMAX
2nd Fl, Guoxiu Plaza
No.68 Guoxing Avenue
Haikou, 570105 CHINA
Tel: +86-898 65252905

Hanjie Wanda Plaza & IMAX
5th Fl, No.1 Chuhehan St
Shuiguo Lake, Wuchang District
Wuhan, Hubei Prov. 430000 CHINA
www.wandafilm.com/

Haxi Wanda Plaza IMAX
3rd Fl, No.168 Zhongxing Ave
Haxi Area, Nangang District
Harbin, 150056 CHINA
www.wandafilm.com/

Helifilms, Ltd. **HFL**
PO Box 23498, Docklands
Melbourne, VIC 8012 AUSTRALIA
Tel: +61 3 9645 2394
Fax: +61 3 9646 5446
www.helifilms.com/

Houston Museum of Natural Science **HMNS**
5555 Hermann Park Drive
Houston, TX 77030-1799 USA
Tel: 713-639-4600
Fax: 713-523-4125
www.hmns.org

Huizhou Kaishi & IMAX
4th fl., Kaisa Plaza
No. 11 Huizhou Ave, Huichen Dist
Huizhou, 516003 CHINA
Tel: +86-752 2828287

Imax Corporation **IMAX**
2525 Speakman Drive
Mississauga, ON L5K 1B1 CANADA
Tel: 905-403-6500
Fax: 905-403-6450
www.imax.com

IMAX Theatre Winnipeg
Y003-393 Portage Avenue
Winnipeg, MB R3B 3H6 CANADA
Tel: 204-956-2400
Fax: 204-956-1697
www.imaxwinnipeg.com

IMERSA
, USA
www.imersa.org

Intel Corporation
2200 Mission College Blvd.
Santa Clara, CA 95052 USA
Tel: 800-628-8686
Fax: 408-765-9904
www.intel.com

Jackson Hole Wildlife Film Festival
PO Box 3940, 125 East Pearl St.
Jackson Hole, WY 83001 USA
Tel: 307-733-7016
Fax: 307-733-7376
www.jhfestival.org

K2 Communications **K2**
880 Apollo Street, Suite 239
El Segundo, CA 90245 USA
Tel: 310-524-9100
Fax: 310-524-1540
www.k2communications.com/

Kallisti Media
8530 Wilshire Blvd, Ste 550
Beverly Hills, CA 90211 USA
http://kallistimedia.com/

Kunshan Culture & Art Centre
West Qianjin Road #1850
Yushan Town
Kunshan, 215300 CHINA
Tel: +86 51255135222
www.kscac.com

Large Screen Cinema
Los Angeles, CA USA

Laser Illuminated Projection Association
3081 Zanker Road
San Jose, CA 95134 USA
Tel: 408-577-1300
Fax: 408-577-1301
www.lipainfo.org

Laser Light Engines, Inc.
8C Industrial Way
Salem, NH 03079 USA
Tel: 603-952-4550
Fax: 603-952-4545
www.laserlightengines.com

Legendary Pictures
4000 Warner Blvd.
Building 76
Burbank, CA 91522 USA
www.legendarypictures.com

Lionsgate **LG**
2700 Colorado Ave., Suite 200
Santa Monica, CA 90404 USA
Tel: 310-255-3700
Fax: 310-255-3870
www.lionsgate.com

MacGillivray Freeman Films, Inc. **MFF**
PO Box 205
Laguna Beach, CA 92652 USA
Tel: 949-494-1055
Fax: 949-494-2079
www.macfreefilms.com

Marvel Studios
1600 Rosecrans Ave
Manhattan Beach, CA 90266-3708 USA
Tel: 310-550-3100
www.marvel.com/

Maryland Science Center
601 Light Street
Baltimore, MD 21230-3812 USA
Tel: 410-685-2370
Fax: 410-545-5974
www.mdsci.org/

Melrae Pictures
4047 Pillsbury Ave
Minneapolis, MN 55409 USA
www.melraepictures.com

Metro-Goldwyn-Mayer **MGM**
245 N Beverly Dr
Beverly Hills, CA 90210 USA
Tel: 310 449 3000
www.mgm.com/

Milwaukee County Zoological Gardens
10001 W Bluemound Road
Milwaukee, WI 53226-4384 USA
Tel: 414-771-3040
Fax: 414-256-5410
www.milwaukeezoo.org/

MovieTickets.com
2255 Glades Road, Ste 221A
Boca Raton, FL 33431 USA
Tel: 561-998-8000
Fax: 561-998-2974
www.movietickets.com

Museum of Science
1 Science Park
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National Film Board of Canada
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Fax: 514-496-1895
www.nfb.ca

National Geographic Cinema Ventures
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Fax: 202-775-6517
http://movies.nationalgeographic.com/movies/

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New York, NY 10013 USA
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Fax: 212-741-0374
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www.nmmst.gov.tw/chhtml/index/1

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www.ngtheater.com

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www.niagarafallsstatepark.com/

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www.ti.com

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Fax: +358-837-7837
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GS professional

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SHORTS

IMERSA in Denver, Mar. 6–9

The **Denver Museum of Nature and Science** will host its third annual IMERSA Summit, March 6–9. More than 140 people are expected to attend the meeting of the organization, which is dedicated to Immersive Media, Education, Research, Science, and Art.

The summit will feature screenings of at least seven fulldome shows, panel discussions, workshop sessions, and a banquet at which **Evans & Sutherland**'s **Jeri Panek** will receive a lifetime achievement award (*see The Biz, December 2013*). One session will be devoted to how **SK Films**' award-winning giant-screen film, ***Flight of the Butterflies***, was transformed into a fulldome show, followed by a screening of the fulldome version on the 56-foot (17-meter) dome of the museum's **Gates Planetarium**.

Before the summit, a Dome Standards Retreat will bring together members of IMERSA and the **Giant Screen Cinema Association** to "identify common grounds for [their] constituencies."

Thursday, March 6, will feature a full day devoted to "Tools and Techniques," with detailed technical sessions on the various aspects of producing fulldome shows and media. In addition to the museum, events will be held at the **Sie Film Center**, the permanent home of the **Denver Film Society**.

The meeting will conclude on Sunday evening with a demonstration of the new **Sky-Skan** 8K fulldome system recently installed in the **Fiske Planetarium** in Boulder, CO, about 30 miles (48 kilometers) away.

For more information and to register, visit imersa.org.

LF Examiner will have full coverage of the summit in the next issue.

Anderson, lab workers honored

In its annual Sci-Tech awards ceremony, held Feb. 15, the **Academy of Motion Picture Arts and Sciences** presented the Gordon Sawyer Award to 3D expert and cinematographer **Peter Anderson**. The award is a special Oscar presented to "an individual in the motion picture industry whose technological contributions have brought credit to the industry."

Anderson has provided visual effects for nearly 50 films, starting with **Steven Spielberg**'s *Close Encounters of the Third Kind* in 1977. He worked on **Carl Sagan**'s PBS series *Cosmos* in 1980, and in 1986 was stereographer for **Disney**'s groundbreaking 4D 70mm attraction film, ***Captain EO***, directed by **Francis Ford Coppola** and starring **Michael Jackson**.

Peter Anderson receives the Gordon Sawyer Award from Douglas Trumbull.

Photo by Aaron Poole, © AMPAS.

In 1994, Anderson worked on his first giant-screen film, the ill-fated ***The Journey Inside***, produced for **Intel Corporation**. (Although Anderson created some of the most advanced special effects seen in a GS film to that time, the film was roundly rejected by the GS community for being too blatant a commercial for Intel's products.) He has since worked as stereographer or VFX supervisor on seven GS films, including ***Cirque du Soleil: Journey of Man***, ***U2 3D***, and ***Space Junk 3D***.

The award was presented to Anderson by 2011 Sawyer Award recipient **Douglas Trumbull**, with whom he worked on *Close Encounters* and Trumbull's first **Showscan** film, ***Night of Dreams*** (1978).

At the same ceremony, the Academy presented a Merit Award to "all those who built and operated film laboratories, for over a century of service to the motion picture industry." The award was accepted on behalf of thousands of lab workers by director **Christopher Nolan**, who has championed use of film for image capture, including using IMAX 15/65 cameras on several projects, including ***Interstellar***, which opens in November.

Gravity tops $100M in IMAX

Following its Jan. 31 re-release, the DMR edition of **Warner Bros.**' ***Gravity*** has grossed more than $100 million in IMAX theaters, the third film to reach that landmark, after ***Avatar*** (2010) and ***The Dark Knight Rises*** (2012). The film opened in October in 639 IMAX theaters worldwide, and returned to 330 in January. Directed by **Alfonso Cuaron** and starring **Sandra Bullock** and **George Clooney**, *Gravity* has been nominated for 10 Academy Awards, including Best Picture.

May Euromax meeting in Hague

Euromax, the European giant-screen association, will hold its next meeting in The Hague, Netherlands, May 21–24. The dates and location coincide with the annual conference of ECSITE, the European network of science centers and museums, which is being held May 22–24. Details of the Euromax meeting are still being planned. For more information, visit euromax.org.

Jackson Hole science awards

The **Jackson Hole Wildlife Film Festival** will hold its 2014 Science Media Symposium and Awards ceremony in Boston, Sept. 17–19, in partnership with **WGBH Boston**. The symposium will feature "provocative panels, immersive workshops, and casual networking," according to a press release, and the awards will rec-

*(see **SHORTS** on page 17)*